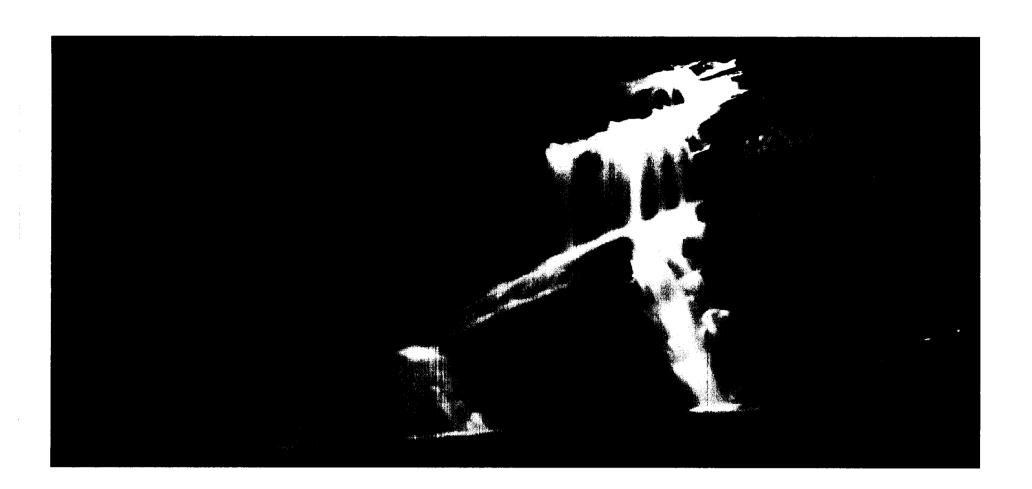
PHASE I ENVIRONMENTAL SITE ASSESSMENT

3801 – 3823 WEST MICHIGAN STREET INDIANAPOLIS, INDIANA MUNDELL PROJECT NO.: M01046 DECEMBER 29, 2003



MUNDELL & ASSOCIATES, INC.

Consulting Professionals for the Earth and the Environment

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Prepared for:

Mr. Daniel P. McInerny, Esq. Bose McKinney & Evans LLP 2700 First Indiana Plaza 135 North Pennsylvania Street Indianapolis, Indiana 46204

December 29, 2003

Prepared by:

MUNDELL & ASSOCIATES, INC.

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December 29, 2003

Mr. Daniel P. McInerny, Esq. Bose McKinney & Evans LLP 2700 First Indiana Plaza 135 North Pennsylvania Street INDIANAPOLIS, INDIANA 46204

Re: Phase I Environmental Site Assessment
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Dear Mr. McInerny:

MUNDELL & ASSOCIATES, INC. (MUNDELL) has completed the Phase I Environmental Site Assessment for the Site per your request. This report, *Phase I Environmental Site Assessment*, includes the results of our findings from visual reconnaissance, historical ownership and land use review, records and regulatory review. Based on the results of this assessment, further evaluation of the Site is warranted.

We appreciate the opportunity to be of service to Bose Mckinney & Evans LLP for this project and look forward to working with you on future assignments. In the meantime, if you have questions about information in this report or if we can be of further assistance, please contact MUNDELL at (317) 630-9060.

Sincerely,

MUNDELL & ASSOCIATES, INC.

Leena Lothe

Staff Environmental Engineer

bhn A. Mundell, P.E., L.P.G.

President/Senior Environmental Consultant

/lal

attachment: Phase I Environmental Site Assessment

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EXECUTIVE SUMMARY

In November 2003, MUNDELL & ASSOCIATES, INC. (MUNDELL) performed a Phase I Environmental Site Assessment (ESA) of the Michigan Plaza property located at 3801-3823 West Michigan Street in Indianapolis, Indiana (Site). The ESA included visual observations of the Site and limited observations of surrounding properties, review of historical ownership and land use, review of regulatory database listings and interviews of onsite staff.

The Site is located in a mixed residential/commercial and industrial area in the southwest side of Indianapolis. The Michigan Plaza consists of a single story, 'L' shaped commercial building with a number of retail and office tenants and asphalt-paved parking lots on approximately 1.5 acres of land. Records indicate that the land was farmland/residential prior to 1960s. The plaza building was constructed in the mid 1960s, and there have been no additions to the building after its construction.

The Site, throughout the time span covered by the City Directories (1890 to 2000) and the aerial photographs (1937 to 2002), has historically been undeveloped prior to the construction of the plaza, and then used as a commercial property. Review of information available at the Wayne Township Assessor's office indicated that the property was owned by David C. Eades and Roy H. Lambert in 1978. Prior ownership information is not available. The site was purchased in 1999 by AIMCO, and currently remains under its ownership. Environmental records were identified for the Site at the Marion County Health Department.

The Site/facility is registered in the federal Resource Conservation and Recovery Information System as a Small Quantity Generator (RCRIS-SQG) - hazardous waste generator, and in the FINDS database. No visual evidence that chemicals or hazardous wastes have been generated, treated, stored or disposed of on Site was apparent during the Site observation visit. No information was provided during Site interviews that would indicate the historical use, storage or disposal of hazardous waste materials. Only routine janitorial and maintenance supplies were observed.

One standard solid waste dumpster was located at the south side of the plaza, on the property. These are provided for incidental trash disposal. No odors, spills, or staining were noted around the dumpster, or anywhere else on the facility. Also, no spill or release events were recalled during on site AIMCO personnel interviews.

Although no survey for Asbestos-containing Materials (ACMs) was conducted in this current Phase I investigation, ACMs are suspected in the form of roofing materials, floor tiles, sheet vinyl flooring, ceiling tile and drywall. Two independent ACM surveys are

reported as conducted at the Site in 1992 and 1999, in the previous Phase I ESA for the Michigan Meadows Apartments and the Michigan Plaza, dated April 27, 1999, performed by Commercial Inspectors, LLC. Testing was performed at the Michigan Meadows Apartments. Asbestos was identified in the floor tile, sheet vinyl flooring, and associated mastic (see Section 2.6). However, no testing was apparently performed at the Plaza, although it is likely that similar construction materials were used. As such, these materials represent a potential environmental concern if not properly managed during demolition or renovation. Further testing should be conducted at the Plaza prior to demolition or renovation.

Two (two) overhead pole mounted transformers were observed at the Site. At the time of this evaluation, evidence of damage or past or present leakage or spills was not apparent. Blue decals, which indicate the transformer does not contain PCBs, were observed on the transformers. Therefore, there is a likely probability of no PCB content in the transformer. However, actual testing must be conducted to confirm the lack of PCB content.

No radon testing was performed as part of this current Phase I ESA. However, during previous testing performed in an earlier Phase I ESA completed by Commerical Inspectors, radon concentrations ranged from 0.6 to 6.8 pCi/L, indicating that radon poses a potential concern at the facility (see Section 2.7). The EDR Radius Report shows radon concentrations ranged from 4 to 20 pCi/L, indicating a potential concern at the Site (see Section 2.7).

Environmental subsurface investigations conducted by a number of environmental consultants since 1992 have disclosed volatile organic chemical (VOC) impacts to groundwater from the operations of the Site of the former General Motors Corporation Allison Gas Turbine Division (GM AGT) Plant 10 facility located due north of the Michigan Meadows Apartments across Little Eagle Creek. Groundwater sampling has indicated these impacts have apparently moved offsite and to the south (see Section 3.2 for a detailed discussion of these impacts). Indoor air quality investigations at the Site indicates the potential for indoor air impacts that require further study.

Federal database search indicated the historical presence of Accent Cleaners dry cleaners, located on Site at the Michigan Plaza, which used chlorinated solvents (e.g., perchloroethene) in its operations, and could be a potential environmental concern.

Also, federal, state regulatory database searches and local regulatory records indicated the presence of several Facilities in the vicinity of the Site with potential environmental concerns that could impact the Site's groundwater:

- 1. The former GM AGT Plant 10 facility (also noted as the Former Allison Plant 10 in the databases) located north and upgradieint of the Site (see Section 3.2 for a detailed review):
- 2. The GMC Allison Transmission Plants 3 & 12/1, located upgradient to the northwest of the Site, with several violations and enforcement actions;
- 3. The **Speedway/SM #6122** facility, located upgradient and north of the site, has four in-use USTs;
- 4. The **Marathon Ashland Petroleum Speedway** site, upgradient and north of the site, is a petroleum bulk storage and pipeline terminal with soil and groundwater impacts.

Therefore, based on the presence of the former dry cleaners on Site, the proximity of the above listed sites, the presence of known groundwater impacts at the Site, and the potential indoor air quality concerns as a result of these underlying groundwater impacts, further investigation is warranted to evaluate the extent of groundwater impacts beneath the Site and continued indoor air monitoring of the plaza. In addition, an ACM management plan should be developed that outlines the actions necessary for proper ACM control during demolition and construction.

PHASE I ENVIRONMENTAL SITE ASSESSMENT 3801-3823 WEST MICHIGAN STREET INDIANAPOLIS, INDIANA MUNDELL PROJECT NO. M01046

1.0 INTRODUCTION

In November 2003, MUNDELL & ASSOCIATES, INC. (MUNDELL) conducted a Phase I Environmental Site Assessment (ESA) of the Michigan Plaza property located at 3801-3823 West Michigan Street in Indianapolis, Indiana (Site) on behalf of Mr. Daniel P. McInerny of Bose McKinney & Evans LLP. The location of the Site is presented in Figure 1, Site Vicinity Map. The Michigan Plaza consists of a single story, 'L' shaped commercial building with a number of retail and office tenants and asphalt-paved parking lots on approximately 1.5 acres of land. The Plaza currently consists of a Village Pantry (3801), a former Marion County Public Library (3805), a former Handicap Workshop (3815), a former office space (3817), Zacatecas, a Mexican grocery store (3819), and the Michigan Plaza Family Laundry (3823).

The primary purpose of this assessment was to identify documented and potential hazardous substances and/or chemical impacts to the Site from on-Site and/or off-Site sources. In accordance with the above-referenced agreement, MUNDELL performed walk-through observations of the Site, noted use of adjacent properties, and conducted a search of readily available historical and regulatory records. More specifically, the scope of services included the following:

1. Site and Adjacent Property Observations

Visual observations of the Site, on-site structures, and surrounding properties were made to identify potential sources or indications of chemical and/or petroleum impacts such as underground storage tanks (USTs), aboveground storage tanks (ASTs), potential sources of polychlorinated biphenyls (PCBs), chemicals and hazardous materials, areas with surface stains or distressed vegetation, and a visual observation of the building to evaluate the building's general condition. In addition, the immediately adjacent properties were observed from the Site, without being entered, for possible sources of impacts or environmental impairment which could migrate to the Site via surface water runoff, groundwater transport, or other pathways.

2. Geological Information

A review was made of available published geological and groundwater information obtained from the Soil Conservation Service and Indiana State Geological Survey for the Site vicinity.

3. Historical Review

A review of historical aerial photographs for the years 1937, 1956, 1962, 1966, 1971, 1974, 1987, 1992, 1993, 1995, 1997, 1999, 2000, 2001 and 2002 for the Site and adjacent properties was conducted to evaluate previous land use. Available historical Sanborn fire insurance maps and Indianapolis city directories were also reviewed for the Site and surrounding area. A review of a previous Phase I ESA, dated April 27, 1999, performed by Commercial Inspectors, LLC was also used to provide historical condition information concerning the Site.

4. Interviews with Site Representatives

Ms. Camille Pierce, community manager with AIMCO, Ms. Jennifer Novak, Manager at the Village Pantry (3801 W. Michigan Street), Edel Mira, Zacatecas (3819 W. Michigan Street), and Margarita Wilson, Manager at the Michigan Plaza Family Laundry (3823 W. Michigan Street) were interviewed with regards to the current and historical operations of the facility and possible past or present use of potentially hazardous materials at the Site.

5. Interviews with Local Government Officials

The Marion County Health Department was contacted to obtain information indicating recognized environmental conditions in connection with the property available in their files.

6. Environmental Records

A search of available environmental records associated with the Site was performed by Environmental Data Resources, Inc. (EDR) and reviewed by MUNDELL. This report meets the government records search requirements of the ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances were per ASTM standards. In addition, records for the Site and pertinent vicinity facilities were also reviewed at the Indiana Department of Environmental Management (IDEM).

2.0 SITE DESCRIPTION

The Site is located at the southeast corner of the intersection of Michigan Street and Holt Road in Indianapolis, Indiana. The adjacent properties are as follows: Michigan Meadows Apartments across Michigan Street to the North (Photo No. 10), and residential properties across wooded areas to the east, south and west (Photos No. 12 to 15). The Little Eagle Creek is just beyond the adjacent residential areas to the east. The current Site layout is presented in **Figure 2**.

Ms. Leena A. Lothe, Staff Environmental Engineer for MUNDELL, conducted the Site visit, on November 6th, 7th and 10th 2003. At the time of the Site visits, there were cloudy to clear skies, and it was about 40 to 45 degrees Fahrenheit. The Site visits consisted of property walkthroughs and visual observations of adjacent parcels of land.

In addition to the Site visit, readily available resources including soil surveys, aerial photographs, USGS topographic maps and city directories were reviewed. Referenced documents are included in **Appendix B**.

2.1 CURRENT GENERAL SITE CONDITIONS

The Site is located in a mixed residential/commercial and industrial area on the southwest side of Indianapolis. The Michigan Plaza consists of a single story, 'L' shaped commercial building with a number of retail and office tenants and asphalt-paved parking lots on approximately 1.5 acres of land. The Plaza consists of a Village Pantry (3801), a former Marion County Public Library (3805), a former Handicap Workshop (3815), a former office space (3817), Zacatecas, a Mexican grocery store (3819), and the Michigan Plaza family laundry (3823). The property was developed in the mid 1960s, was owned by David C. Eades and Roy H. Lambert in 1978 (Refer to the Prior Ownership History and Property Record cards obtained from the Wayne Township Assessor's office: Appendix B and Appendix G). Prior ownership information is not available. The site was purchased by AIMCO in 1999, and is currently owned by AIMCO.

The single-storied white brick building is bordered by grass areas and asphalt parking lots. The ground cover constituted landscaped areas, grass, bushes, and tree lines. There were no signs of any stunted or increased vegetative growth at the time of the site observations.

The topography of the Site is generally flat. Based on the USGS 7.5' digital elevation model (Indiana Quadrangle Topographic Map), the Site is approximately 715 feet above mean sea level. The Little Eagle Creek, to the east and the north of the site, beyond the residential areas is the closest surface water body. Runoff across the Site is likely to

occur toward the east/northeast of the property, towards the Little Eagle Creek. Also, runon from the adjacent (northwest/west) properties is possible.

The facility was observed by MUNDELL from the inside, and appeared moderately clean and well-maintained. The plaza includes the following individual units:

- 1. Village Pantry (3801),
- 2. The former Marion County Public Library (3805),
- 3. A former handicap workshop (3815),
- 4. A vacant office space (3817),
- 5. Zacatecas-the Mexican grocery store (3819), and
- 6. The Michigan Plaza Family Laundry (3823).

The Village Pantry (3801), Zacatecas-the Mexican grocery store (3819), and the Michigan Plaza Family Laundry (3823) are currently active. They looked typical and moderately clean from inside. The inside of the library can be observed in Photos No. 28 and 29. The Marion County Public Library (3805), the Handicap workshop (3815) (interior illustrated in Photos No. 30 and 31), and the adjacent office space (Photos No. 32) were vacant/unoccupied spaces. The vacant office space had stains on the ceilings, which are depicted in **Figures 33 and 34**. The Family Laundry had a series of washing machines and dryer units, and looked fairly clean (**Photos No. 36 and 37**). Current use of dry cleaning solvents was not apparent at the laundry, and was not indicated during the interview of the Site representative. Representative photographs of the inside of the building are included in **Appendix A**.

The facility was thoroughly observed from the outside of the building. The Village Pantry (3801), former Marion County Public Library (3805), former Handicap Workshop (3815), a former office space (3817), Zacatecas, a Mexican grocery store (3819), and the Michigan Plaza Family Laundry (3823), are shown in Photos No.3, 4, 6, 7, 8, and 9, respectively. No debris, or wastes were observed on the outside of the building. On the southside (backside of laundry and former dry cleaner area), two patches of asphalt were noted (Photo No. 20 and 21). The gas line was mounted on an asphalt mound, which was noted as atypical (Photo No. 17 and 18). Also, an old cooker like unit was observed at the southside of the plaza (Photo No. 19 and 22). An old water heater, an outlet pipe, and a sewer cleanout were observed at the west wall of the plaza (Photo No. 23, 25, and 24). Representative photographs are included in **Appendix A**.

Two (2) overhead pole mounted electrical transformers were observed on the site (see **Figure 1** for locations). A blue decal, which indicates the transformer does not contain PCBs, was observed on the transformers. There is a likely probability of no PCB content

in the transformer. However, actual testing must be conducted to confirm the lack of PCB content (Appendix E). Also, at the time of this evaluation, evidence of damage or past or present leakage or spills was not apparent. The property does not have any platform-mounted transformer units. Photo No. 16 illustrates the high capacity power lines running through the Site at its eastern boundary.

One dumpster (Photo No. 19) was located at the south side of the plaza, on the property. This is provided for incidental trash disposal. No odors, spills, or staining were noted around the dumpster, or anywhere else on the facility. Also, no such events were reminisced by any of the interviewees.

No pits, ponds, lagoons, or wetlands were identified on the property. Also, the property is located in the 100-year flood zone. Please refer to the overview map and the detail map in the EDR Radius Report (Appendix C).

Fluorescent lights were observed inside and outside the Michigan Plaza. However, based on their locations and frequent use, it is likely that all lights were manufactured after 1979 when PCBs were prohibited from being used in the lights. As such, it is likely that the lights do not contain PCBs.

2.1.1 Soils

The USDA Soil Survey of Marion County, Indiana (USDA, 1991) indicates that the Site consists of Urban land-Fox complex with estimated slopes between zero and three percent. The urban land complex indicates that fifty percent of the predominant soil type has been disturbed and has been covered with an impervious layer consisting of buildings, sidewalks, streets and other structures. The undisturbed areas of the complex retain the original soil characteristics. The Fox soils are identifiable in lawns, gardens, parks and other open areas. They have a representative profile of the series, but alteration is evident in many areas where topsoil has been stripped.

The Fox soil series generally consists of nearly level to moderately sloping, well-drained soils that are moderately-deep over sand and gravelly sand. The typical profile for the Fox series is as follows: the surface layer is dark brown loam 8 inches thick. The subsoil is 30 inches thick. The upper 10 inches is dark brown friable loam; the next 6 inches is dark brown, firm sandy clay loam; and the next 14 inches is dark brown, firm gravelly clay loam.

2.1.2 Regional Geology and Hydrogeology

The surface of Marion County consists of Pleistocene glacial deposits and recent alluvial stream deposits. Marion County is situated within the southern part of the physiographic region known as the Tipton Till Plain. While most of the glacial material in the county consists of fine-grained silts and clay, sand and gravel outwash soils are commonly found along major streams. These outwash deposits, which fill the White River Valley and its

major tributaries, were deposited in a complex fashion during what is thought to have been three primary ice advances and subsequent meltwater discharges from ice margins upstream from Marion County (Fleming et al., 2000). The Wisconsin-age sediments, within the White River Valley and a variety of smaller sand and gravel and fine-grained till units are distributed in a discontinuous nature throughout the valley.

The Site itself is situated with an area containing variable thickness of outwash overlying complexly interbedded sand and gravel and fine-grained glacial till. Thick unbroken sections of sand and gravel are present locally, and are typically unconfined within the upper portions of the system, and confined or semi-confined by bodies of glacial till at depth (Fleming et al., 2000). Estimated thickness of the unconfined sand and gravel outwash in the area ranges from 20 to 40 ft on top of an undifferentiated Pre-Wisconsinan glacial till (Brown and Fleming, 2000).

The bedrock beneath the unconsolidated deposits in Marion County consists of sedimentary rocks of Mississippian, Devonian and Silurian age. The bedrock surface slopes gently to the southwest. Therefore, younger Mississippian rocks are at the bedrock surface in the southwest corner of the county and progressively older Devonian and Silurian rocks are at the bedrock surface in the central and northeast portion of the county, respectively (Harrison, 1963; Fleming et al., 1993). Bedrock beneath the unconsolidated deposits at the site is Mississippian and Devonian age New Albany Shale. The top of the bedrock surface is estimated to be between EL 625 to EL 650 above MSL.

The site itself is located adjacent to the Little Eagle Creek. Based on local experience and published hydrogeologic data in this area (e.g., Meyer et al., 1975; Herring, 1976; Smith, 1983; Fleming et al., 2000), shallow regional groundwater levels in the vicinity are expected to range between EL 700 and EL 705 above MSL, with groundwater flow from the site generally towards the south-southeast in the direction of flow in Little Eagle Creek.

The surface waters of the White River, Eagle Creek and Fall Creek are sources of industrial and public water supplies and comprise approximately 90 percent of the water used in Marion County. The unconsolidated sand and gravel aquifers associated with the surface water bodies are the major source of groundwater supply in Marion County. The Little Eagle Creek is the principal surface water feature in the area. The Site is not located within a Marion County wellhead protection area (Appendix F).

The Site is located within one of seven Marion County Health Department (MCHD) No Well Zones (NWZs). NWZs have been designated by the MCHD, and reflect areas of contaminated groundwater identified by MCHD through routine sampling of potable wells. The MCHD requires permits for all water supply wells; however, with NWZs, no permits are granted by the MCHD.

2.2 WASTE MANAGEMENT AND CHEMICAL HANDLING

The Site/facility is registered as a RCRIS-SQG (small quantity generator) from former dry cleaning operations. No visual evidence that chemicals or hazardous wastes have been generated, treated, stored or disposed of on Site was apparent during the Site observation visit. No information was provided during Site interviews that would indicate the historical use, storage or disposal of hazardous waste materials.

Visual observation for the use/storage of hazardous materials was performed. Only routine janitorial and maintenance supplies were observed in the former handicapped workshop unit. In general, the chemical containers were undamaged, clearly labeled, and capped, with no apparent evidence of spills or leakage.

One standard solid waste dumpster (see Photo No. 19) was located outside along the southside of the plaza. This is provided for incidental trash disposal. No odors, spills, or staining were noted around the dumpster, or anywhere else on the facility. Also, no spill or release events were recalled by any of the interviewees.

2.3 STORAGE TANKS

2.3.1 Underground Storage Tanks (USTs)

Based on site observations and interviews with persons familiar with the Site, no information/evidence regarding USTs containing hazardous substances on the Site was apparent.

However, on the southside (backside of laundry and former dry cleaner area), two patches of asphalt were noted (Photo No. 20 and 21). The gas line was mounted on an asphalt mound, which was noted as atypical (Photo No. 17 and 18). Further investigations are required in order to find out if this could be indicative of UST installation.

2.3.2 Aboveground Storage Tanks (ASTs)

The two patches of asphalt noted on the southside (backside of laundry and former dry cleaner area), (Photo No. 20 and 21) need further investigation. The gas line was mounted on an asphalt mound, which was noted as atypical (Photo No. 17 and 18). Further investigations are required in order to find out if this could be indicative of AST installation. The interviews with site AIMCO personnel did not indicate the historical presence of ASTs on site.

2.4 UTILITIES

The city of Indianapolis supplies drinking water and sewage service to the Site. Electricity is supplied by Indianapolis Power & Light (IPL) via overhead secondary electrical service. Citizens Gas Utility supplies the natural gas to the Site.

2.5 POLYCHLORINATED BIPHENYLS (PCBs)

Polychlorinated biphenyls (PCBs) are toxic coolants or lubricating oils used in some electrical transformers, light ballasts, electrical panels or other similar equipment. PCB content in electrical transformers has been grouped into three categories by the Environmental Protection Agency (EPA):

PCB Content	Classification
< 50 ppm	non-PCB
50 to 499 ppm	
500 ppm and greater	PCB transformer

Utility companies often own transformer equipment and typically assume the responsibility for repair or replacement of damaged or leaking units and for required cleanup or remediation activities. Indications of damage or leakage should be immediately reported to the responsible utility company.

A total of two (2) overhead pole-mounted electrical transformers were observed across the Site. These are owned and operated by Indianapolis Power and Light (IPL) on the property. No platform-mounted transformers were noted on the property. Blue decals, which indicates the transformer does not contain PCBs, were observed on the transformers. Therefore, there is a likely probability of no PCB content in the transformer. However, actual testing must be conducted to confirm the lack of PCB content (see **Appendix E**). Also, at the time of this evaluation, evidence of damage or past or present leakage or spills was not apparent.

2.6 ASBESTOS-CONTAINING MATERIALS (ACMs)

Typical building materials that contain asbestos are found in a variety of types and uses. Frequently-encountered types of asbestos-containing materials (ACMs) used in building construction include floor tile, sheet flooring, mastic, ceiling tile, spray-applied acoustical/decorative ceiling materials, plaster, wallboard and wallboard joint compound, insulations, roofing and flashing, and many other materials in common use prior to 1978. Materials that contain over one percent asbestos fibers are considered ACMs and must be handled according to Occupational Safety and Health Administration (OSHA) and USEPA regulations if disturbed.

ACMs identified as "friable" (capable of being crumbled, pulverized, or reduced to powder by hand pressure) have a greater potential for release of fibers to the atmosphere and are therefore of greater concern than non-friable ACMs. Friable ACMs that are damaged require renovation or removal and are therefore of greatest immediate concern.

An ACM survey was not conducted as part of this Phase I ESA. Two independent ACM surveys are reported as conducted at the Site in 1992 and 1999, in the previous Phase I ESA for the Michigan Meadows Apartments and the Michigan Plaza, dated April 27, 1999, performed by Commercial Inspectors, LLC. Testing was performed at the

Michigan Meadows Apartments. Asbestos was identified in the floor tile, sheet vinyl flooring, and associated mastic (see Section 2.6). However, no testing was apparently performed at the Plaza, although it is likely that similar construction materials were used. As such, these materials represent a potential environmental concern if not properly managed during demolition or renovation. Further testing should be conducted at the Plaza prior to demolition or renovation. (See **Appendix H** for previous study results).

MUNDELL recommends all ACM and suspected ACM be managed according to an ACM Operations and Maintenance (O & M) Program which follows U.S. Environmental Protection Agency (U.S. EPA) guidelines. This program should be based on a comprehensive asbestos survey with extensive sampling and analyses to more accurately quantify and qualify ACMs on site. If the ACMs become damaged, or in the event of renovation or demolition which may disturb these materials, they should be handled according to federal, state and local regulations.

2.7 RADON

The U.S. EPA uses a continuous exposure level of 4.0 pCi/L (picoCuries per liter of air) as a guidance level at which remedial action is recommended. According to the U.S. EPA radon mapping for Indiana, Marion County is located in a Zone 1, which represents the highest potential for the presence of radon exceeding 4.0 pCi/L. For the over 70 radon samples taken within the 46222 zip code as part of the U.S. EPA database of readings, the radon gas levels varied between 4 to 20 pCi/L, with an average first floor dwelling concentration of 5.100 pCi/L, and an average basement reading of 8.625 pCi/L.

No radon testing was performed as part of this current Phase I ESA. However, during previous testing performed in the earlier Phase I ESA completed by Commerical Inspectors, radon concentrations ranged from 0.6 to 6.8 pCi/L, indicating that radon poses a potential concern at the facility. Because levels of radon gas fluctuate daily and monthly, the U.S. EPA recommends follow-up testing to determine annual average concentrations. If additional testing confirms elevated radon levels, consideration should be given for taking remedial measures to reduce the concentrations.

2.8 LEAD-BASED PAINT (LBP)

In general, the painted interior surfaces of the tenant units were in good condition, with no chipping, peeling or cracking paint observed. No sampling and testing for LBP was conducted as part of the current Phase I ESA. Lead-based paint sampling during the previous Phase I ESA for the Michigan Meadows Apartments and the Michigan Plaza, dated April 27, 1999, performed by Commercial Inspectors, LLC indicated that the samples tested negative for lead.

2.9 ELECTROMAGNETIC FIELDS (EMFs)

The presence of high-voltage transmission lines across the eastern portion of the Site may cause elevated levels of radiation from EMFs to be present at or near these lines. This Phase I ESA did not include an evaluation of the level of this potential increase. Although no scientifically valid studies have confirmed a causal link between exposure to such elevated radiation from EMFs and health effects in humans, such as cancer, several states and scientific associations have set guidelines.

Currently, there are no federal standards limiting occupational or residential exposure to low-frequency (60-Hz) EMF from transmission lines. At least six states (Florida, Minnesota, Montana, New Jersey, New York, Oregon) have set standards for the maximum transmission line electric field strengths (ranging from 7 to 11.8 kilovolts per meter (kV/m) within right-of-ways; 1 to 3 kV/m at the edge), and two states (Florida and New York) have set standards for the maximum magnetic field strength (ranging between 150 to 250 Gauss (G) at the edge of the right-of-way) that existing lines produce at maximum load-carrying conditions.

Two organizations, the International Commission on Non-Ionizing Radiation Protection (ICNIRP) and the American Conference of Governmental Industrial Hygienists (ACGIH) have developed voluntary occupational exposure guidelines for EMF exposure (see **Table 1**). These guidelines are intended to prevent effects, such as induced currents in cells or nerve stimulation, which are known to occur at high magnitudes, and are not intended to demarcate safe and dangerous levels.

Table 1. EMF Exposure Guidelines

Exposure (60 Hz)	Electric Field, kV/m	Magnetic Field, G	
ICNIRP (1998)	8.3	4.2	
ACGIH (2001)	25	10	

Note: The International Commission on Non-Ionizing Radiation Protection is an organization of 15,000 scientists from 40 nations who specialize in radiation protection; American Conference of Governmental Industrial Hygienists is a professional organization that facilitates the exchange of technical information about worker health protection.

3.0 SITE HISTORY AND ADJACENT LAND USE

Past land uses were investigated to identify historical practices or conditions that may have impacted the Site. This included a chain-of-ownership records review, an analysis of aerial photographs, and interviews with present owners. The historical and current uses of adjacent properties were evaluated to identify potential environmental impacts to the Site.

3.1 HISTORICAL USE INFORMATION REVIEW

3.1.1 Chain-of-Ownership / Historical Use

A search of the past property ownership/use was conducted by MUNDELL. The past property ownership/use was evaluated utilizing county tax assessor records, city directories and historical aerial photographs.

The current plaza building was constructed in the mid 1960s. The assessor records show that the property was owned by David C. Eades and Roy H. Lambert in 1978. Prior ownership information is not available. The site was purchased in 1999 by AIMCO, and currently remains under its ownership.

Review of Indianapolis city directories (from 1890 through 2000 in ten year increments), and a review of historical aerial photographs indicate that the Site, throughout the time span covered by the city directories, has historically been farmland/residential, and then used as a commercial property. The Site appears first in the 1930 city directories in the name of POTTER JOHN A(R) GRO (3811). The complete city directory search results are presented in **Appendix B**.

From the federal database review (past activities), the following potential concern (dry cleaners) was noted. The federal database review identified the facility in the RCRIS-SQG and the FINDS (Facility Index System - Federal ASTM supplemental) databases as 'ACCENT CLEANERS'. Accent Cleaners is classified as a Conditionally Exempt Small Quantity Generator (SQG), with no TSDF activities reported. The EPA id is IND133360693, and there have been no violations documented for the facility.

3.1.2 Aerial Photography

Copies of aerial photographs taken on specific days in 1937, 1956, 1962,1966, 1971, 1974, 1987, 1993, 1995, 1997, 1999, 2000, 2001, and 2002 were obtained from EDR and the Indygov.org, the official web site of the City of Indianapolis and Marion County, Indiana. These were evaluated to identify changes in land use and areas of potential environmental concern. Selected copies of the aerial photographs are included as **Figures 3** to 7. Additional aerial photographs are contained in **Appendix B**.

Prior to 1966, the Site is shown to be a farmland/residential land. The current on-site building first become visible in the 1966 photo, and has remained consistent since their construction. No unusual site features or activities were noted since the construction of the plaza. Significant commercial growth and use changes have occurred in the properties surrounding the Site throughout the coverage period.

No readily apparent on site environmental concerns such as illegal dumping, stockpiled materials, or spills were disclosed by reviewing the aerial photographs.

3.2 PREVIOUS INVESTIGATIONS

Environmental subsurface investigations conducted by a number of environmental consultants (e.g., Engineering Science, Inc.; Fluor Daniel GTI, Keramida Environmental) since 1992 have disclosed volatile organic chemical (VOC) impacts to groundwater from the operations of the site of the former General Motors Corporation Allison Gas Turbine Division (GM AGT) Plant 10 facility located due north of the Michigan Meadows Apartments across Little Eagle Creek. Groundwater sampling has indicated these impacts have apparently moved offsite (south) to the Site (see Section 8.0 for a list of report references). The site has been entered into the IDEM Voluntary Remediation Program (VRP) by its current owner, the Genuine Parts Company.

A company named BHT Corporation (BHT), the previous owners of the former GM AGT Plant 10 facility utilized trichloroethylene (TCE) as a parts degreaser in their parts rebuilding operations from the 1950s to the 1970s. Prior to 1956, the property north of Michigan Meadows Apartments was vacant land. Between 1956 and 1973, BHT operated the facility for carburetor and brake re-manufacturing. General Motors purchased the property from BHT in 1973, and subsequently used it for warehousing obsolete machines, tooling, and fixtures until the mid-1980s. The property became part of the GM AGT Division in 1973.

3.2.1 GM AGT Plant 10 Soil and Groundwater Impacts

Engineering Science, Inc. (ESI) conducted a *Phase I* at the GM AGT Plant 10 site (1992 and 1993), and the Plant 10 site was identified as a potential area of concern (PAOC). A follow-up assessment was conducted in November 1993, and was documented as *Phase II Assessment* Final report for General Motors Corporation Allison Gas Turbine

Division. Results of this investigation identified trichloroethene (TCE), vinyl chloride (VC), 1,2-dichloroethene (1,2-DCE), tetrachloroethene (PCE), toluene, and methylene chloride in the soil on-site. Compounds most frequently detected included TCE, 1,2-DCE, and VC.

OBG conducted a *Buyer Environmental Assessment* for the former GM AGT Plant 10 facility in March of 1994. VOCs detected in the subsurface soil were 1,2-DCE and TCE. VOCs detected in the groundwater were trans-1,2-DCE, cis-1,2-DCE and TCE. Between June 1995 and January 1997, Fluor Daniel GTI conducted additional investigation activities, which included installation, and monitoring of additional monitoring wells (on-Site and off-Site), soil and groundwater collection via push probe methods, Little Eagle Creek stream gauging, surface water sampling, and slug testing. These results are documented in their *Feasibility Study Report* (June 1997) and *Remedial Investigation* report (September 1997).

As a part of the *Phase II* investigation for the *Remediation Work Plan (RWP)* (March 2002; October 2002), Keramida conducted off-site subsurface sampling for volatile organic chemicals (VOCs), including testing at 3800 to 3823 West Michigan Street and the surrounding areas. One soil boring KB-24 located south/southwest of the Plaza Building exhibited a PCE concentration of 16 mg/kg above the groundwater table. The concentration exceeded the VRP Tier II Non-Residential cleanup goal. The source of this impact was not identified. Off-Site groundwater samples taken from both the shallow and deep groundwater system indicated chlorinated solvent groundwater impacts (most notably cis-1,2-DCE and vinyl chloride) beneath the Plaza above VRP Tier II Residential and Non-residential cleanup goals. Selected figures from these reports the results are attached in **Appendix I**.

3.2.2 Review of Keramida March 2002 Phase II Investigation

The most recent *Phase II* investigation by Keramida (Kerimida, 2002) established a clear connection between the contamination found at the former Allison facility and the contamination detected beneath the Michigan Meadows Apartments and at the Michigan Plaza. MUNDELL's October 2002 review of the study stated that the investigation failed to delineate the full vertical and horizontal extent of chemical impacts to the underlying groundwater system. The organic chemical groundwater plume maps for dissolved cis-1,2-DCE. TCE, and vinyl chloride (VC) shown in the Keramida *Phase II* (see Figures 20, 21 and 22 in the attached **Appendix I**) had been developed using widely spaced groundwater monitoring wells. MUNDELL believed that these wells do not adequately define those plumes beneath the Properties, and that additional shallow and deep monitoring wells placed immediately south of Little Eagle Creek on the north side of the Michigan Meadows property, as well as others to the southeast (downgradient of the apparent plume centerlines) and south (beyond Michigan Plaza) were necessary to provide more detailed plume definition.

MUNDELL also indicated that the potential exists for a deeper dense-nonaqueous-phase liquid (DNAPL) solvent source to have migrated from the Plant onto the Michigan Meadows Apartment property. As such, MUNDELL believed that the proposed chemical source treatment at the Plant site would not be effective in reducing the observed high groundwater concentrations beneath the Site. MUNDELL recommended that additional soil borings and monitoring well installations would be necessary to provide enough information to develop an informed remedial plan.

MUNDELL has indicated that not enough chemical sampling has been completed in Little Eagle Creek to determine the transient variation in concentrations that may be present in this nearby surface water body. This lack of data suggested to MUNDELL that the evaluation produced an inaccurate assessment of the potential exposures the tenants and the visitors experience as they come into direct contact with the waters of Little Eagle Creek.

MUNDELL review also indicated that no data had been collected by Keramida during the Phase II investigation to determine if the groundwater plume beneath the Site was causing indoor air impacts that are a human-health concern to its residences. Based on this review, MUNDELL recommended that additional soil borings, monitoring wells, sediment and surface water sampling, and air monitoring within the Properties be completed as part of future activities.

3.2.3 MUNDELL's January 2002 Air Quality Study

Based on MUNDELL's review of the Keramida groundwater testing results available during the fall of 2001, a possible concern was raised that some or all of these volatile organic chemicals may find their way into the utility or living spaces of the apartment buildings located above the impacted groundwater plume. Therefore, an initial study was designed to detect potential impacts to indoor air quality at the Site that could cause a human-health concern to the current residents.

In December 2001, air quality samples were collected by MUNDELL from five Michigan Meadows Apartments buildings (Bldg Nos. 15, 16, 17, 19 and 20) located in the northwestern portion of the site nearest the former Allison facility over the most severely impacted portion of the groundwater plume. The subsurface investigations conducted by Keramida indicated significant levels of four chemicals of concern (COCs) in the shallow groundwater beneath this area of the property: TCE, PCE, cis-1,2-DCE, and vinyl chloride. Three air samples were collected from the laundry rooms in the basements of the buildings (Bldg Nos. 15, 19 and 20) and two samples were collected within available basement apartments (Apts. 1601 and 1702).

The analytical results of the limited air quality sampling at the Site performed by MUNDELL indicated low concentrations of TCE, PCE, cis-1,2-DCE and vinyl chloride were detected in selected air quality samples collected for this study. As a means of

comparison for the analytical results, MUNDELL referred to risk-based methods utilized by federal regulatory agencies to develop life-time and site-specific inhalation and exposure concentrations for the constituents of concern. Three air samples indicated airborne concentrations slightly above the calculated life-time risk-based concentrations for TCE: Building 15 and 20 laundry rooms, and Apartment 1702. None of the other chemicals were found above life-time risk-based concentrations. However, no chemicals exceeded the calculated site-specific risk-based concentrations.

3.2.4 Review of Keramida October 2002 RWP

In October 2002, Keramida submitted a *RWP* to the IDEM VRP that outlined its plans for the remediation of the former GM AGT Plant 10 facility. MUNDELL's February 2003 review of the *RWP* indicated that it fell significantly short of addressing the groundwater impacts that have been disclosed on the Site from the Plant. The *Phase II* investigation was found to still not adequate define the vertical and horizontal groundwater impacts to the Michigan Meadows property and the Michigan Plaza. As such, additional shallow and deep monitoring wells were recommended by MUNDELL.

The RWP also attempted to provide justification to support a conclusion that alternative potential sources of contamination were the cause of the observed groundwater impacts beneath the Properties. However, MUNDELL (MUNDELL, 2003) pointed out that the potentiometric maps provided in the RWP (Figures 9a through 9h) as well as groundwater analytical maps in the RWP (Figure 12b and 13a for cis-1,2-DCE; Figure 12c and 13b for vinyl chloride) and plume maps in the Phase II Investigation Report (Figures 20a and 20b for cis-1,2-DCE, and Figure 22a and 22b for vinyl chloride), clearly demonstrated that the former GM AGT Plant 10 facility is directly upgradient of the property and the likely sole source of impacts.

As indicated by the earlier Keramida *Phase II* Investigation, MUNDELL also found that the *RWP* discounted the potential for dense non-aqueous phase liquids (DNAPLs) moving onto the Michigan Meadows Site, and that it did not address potential groundwater impacts to the indoor air quality at the Site. The *RWP*'s *Risk Assessment* failed to account for the potential impact that off-site movement of volatile organic chemicals beneath the Properties has on the current Properties residents. As such, no additional data had been collected during the RWP *Phase II* investigation to determine if the groundwater plume beneath the Site is causing indoor air impacts that are a humanhealth concern to its residences, even though preliminary air monitoring completed by MUNDELL in December 2001 and subsequently reported to IDEM clearly indicated detectable levels of selected volatile organic chemicals (mirroring those released at the Plant) at low concentrations that should be evaluated with additional testing.

MUNDELL also found that the limited testing of samples of the sediment, sediment pore water and surface water of Little Eagle Creek did not allow for the conclusion that the levels of cis-1,2-DCE represent an 'insignificant potential threat to ecological receptors,'

as suggested by Kerimida. In addition, no evaluation was completed for potential dermal contact with the surface waters by human receptors via recreational or incidental exposure. Due to the minimal number of sample locations (three) and the lack of data collected throughout at least one entire hydrologic cycle, the results upon which the conclusions were based may provide an inaccurate assessment of the potential exposures through recreational activities that the residents of the Properties or its visitors experience as they come into direct contact with the waters of Little Eagle Creek.

Finally because of the deficiencies found in the *Phase II investigation* and the remaining wastes buried beneath the plant building, MUNDELL believed that it is likely that other Plant source areas will not be adequately investigated or remediated. The *RWP* contained no proposal for actively remediating the off-site groundwater contamination identified beneath the Michigan Meadows Apartments and the Michigan Plaza. Without treatment of all existing significant source areas, a time-to-cleanup estimate on the order of decades was estimated by MUNDELL. In addition, without more aggressive treatment of both on-site and off-site chemical sources, continuing potential impacts to indoor air quality of the Michigan Meadows Apartments and the Michigan Plaza buildings could remain over a long period of time.

3.2.5 MUNDELL's April 2003 Air Quality Study

Selected indoor air sampling had been performed by MUNDELL on December 10, 2001. that detected the presence of volatile organic chemicals at low concentrations in several apartment building basement areas in the northwestern portion of the Michigan Meadows property nearest to the former GM AGT Plant 10 facility. These findings, along with a review of the subsurface investigations and remediation conducted by Keramida as part of the VRP activities, raised a concern that additional investigations at the Michigan Meadows Apartments and the Michigan Plaza were warranted to further define the severity and extent of groundwater impacts, and the resulting potential impact on indoor air quality for the facilities. As such, MUNDELL completed a more comprehensive indoor air quality investigation during April 2003 in coordination with IDEM and the Marion County Health Department (MCHD) designed to detect potential impacts at the Site that could pose a human-health concern to the current residents and tenants. The final results of this investigation were made available for review by IDEM and the MCHD to supplement ongoing studies by Keramida. In addition, the results were also provided to the current residents of Michigan Meadows Apartments and the tenants of Michigan Plaza.

Air quality samples were collected from 23 Michigan Meadows Apartments buildings (Bldg Nos. 1 through 23) and 4 tenant units (3801, 3805, 3815 and 3817 West Michigan) at the Michigan Plaza Shopping Center. Air samples were collected from the laundry rooms in the basements of 15 apartment buildings (Bldg Nos. 1, 2, 3, 4, 6, 7, 9, 10, 11, 12, 14, 16, 19, 21 and 23) and 8 samples were collected within available unoccupied basement apartments (Apts. 501, 802, 1301, 1501, 1703, 1803, 2002 and 2203). Each air

sample was collected in a six-liter, evacuated, stainless steel Summa Canister equipped with a passive flow controller set to fill the canister over a 24-hour period.

All 32 air samples collected were tested for the four chemicals of concern (COCs) previously identified in the shallow and deep impacted groundwater beneath the former GM AGT Plant 10 facility and the Site during the Keramida VRP investigations: tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC). In addition, three soil gas samples and one indoor air apartment building sample were selected for a more detailed analysis that included testing for a suite of 51 volatile organics. The sampling and testing program followed the general principles outlined in the *Massachusetts Indoor Air Sampling and Evaluation Guide* (WSC Policy #02-430, April 2002, Office of Research and Standards, Department of Environmental Protection) which is being considered as the basis for future IDEM indoor air quality policy development.

In addition to the indoor air sampling activities, the evaluation also included the collection of 5 soil gas samples and 5 groundwater samples taken at the installed soil gas monitoring well locations. Sampling locations were determined based on impacted groundwater data contained in previous investigations conducted by Keramida. Four sampling points were designated within Michigan Meadows Apartments and one within the parking lot of the Michigan Plaza Shopping Center.

The results of this investigation indicated that five (5) indoor airborne concentrations were above current draft U.S. EPA guidance target indoor air concentrations and IDEM draft default concentrations for PCE: Building 1, and all 4 sampled tenant units in Michigan Plaza Shopping Center. Nine (9) air samples indicated airborne concentrations above either the U.S. EPA and IDEM concentrations for TCE: Buildings 1, 6, 7, 10, 11, 12, 13, 20 and 21, and all four tenant units in the Michigan Plaza Shopping Center. None of the other two COCs (i.e., 1,2-DCE and vinyl chloride) were found above U.S. EPA and IDEM draft vapor concentration levels.

The results of this second indoor air investigation indicated the following:

- 1) The shallow groundwater beneath the Michigan Meadows site is impacted above IDEM RISC residential levels for the chlorinated solvents PCE, TCE and cis-1,2-DCE.
- 2) Detectable levels of volatile organic chemicals were observed in air samples taken from the unsaturated zone soil gas monitoring wells beneath the site.
- 3) These chemicals appear to be moving up through the unsaturated zone, and making their way through the building foundations and floor slabs where they have been detected in all of the basement level apartments or laundry rooms of the Michigan Meadows Apartment buildings and each of the tenant units tested at the Michigan Plaza Shopping Center.

- 4) Nine of the 23 apartment buildings (Buildings 1, 6, 7, 10, 11, 12, 13, 20 and 21) exhibit concentrations of either PCE or TCE in their basement areas above current draft U.S. EPA or IDEM target vapor levels.
- 5) Concentrations of both PCE and TCE above the U.S. EPA and IDEM draft levels were found in the four tenant spaces at Michigan Plaza Shopping Center.

A July 1, 2003 response letter was received from IDEM after review of MUNDELL's April 2003 air investigation report. IDEM stated that it did not believe the information presented indicated an imminent health threat requiring immediate action to relocate people or businesses or other immediate abatement action. IDEM did feel that the report indicated the potential for a vapor intrusion problem at Michigan Meadows Apartments and Michigan Plaza, and that further investigation was prudent (see Appendix K for a copy of the IDEM letter).

3.3 ADJACENT LAND USE

Properties in the immediate vicinity of the Site were examined from curbside. The area surrounding the Site is residential, mixed commercial and industrial. More specifically, the adjacent properties are as follows: Michigan Meadows Apartments across Michigan Street to the North (Photo No. 10), and residential properties across wooded areas to the east, south and west (Photos No. 12 to 15). The Little Eagle Creek is just beyond the adjacent residential areas to the east. The current Site layout is presented in **Figure 2**.

Observations at the time of the Site reconnaissance did not indicate any obvious visual evidence of surficial environmental impacts from the surrounding properties.

4.0 RECORDS REVIEW

A review of databases and files from federal, state, and local environmental regulatory agencies was conducted to identify use, generation, storage, treatment or disposal of hazardous materials and chemicals, or release incidents of such materials, which may impact the Site. Environmental Data Resources, Inc. (EDR) provided the federal and state environmental database information to MUNDELL.

4.1 FEDERAL RECORDS

The federal environmental databases listed below have been reviewed to obtain information pertaining to the Site and properties within the listed approximate search distance of the Site. Also listed are the month and year when the database was last updated.

Table 1. Federal Database Search			
FEDERAL DATABASE	Search Radius (miles)	Last Update	
NPL: National Priorities List	1.00	7-22-03	
CERCLIS (Active): Comprehensive Environmental Response, Compensation, and Liability Information System (Active)	1.00	9-11-03	
CERCLIS (NFRAP Archive): Comprehensive Environmental Response, Compensation, and Liability Information System—No Further Remedial Action Planned (Archive)	1.00	9-11-03	
RCRIS TSD: Resource Conservation and Recovery Act Information System - Treatment, Storage, and Disposal Facilities	1.00	9-10-03	
RCRIS: Resource Conservation and Recovery Act Information System (RCRIS) - Hazardous Waste Generators (large [LQG] and small [SQG] quantity generators)	0.25	9-10-03	
CORRACTS: Resource Conservation and Recovery Information System - Corrective Action Sites	1.00	9-17-03	
ERNS: Emergency Response Notification System	0.25	12-31-02	
TRIS: Toxic Release Inventory System	0.50	12-31-01	
TSCA: Toxic Substances Control Act Inventory	1.00	12-31-98	
PADS: PCB Activity Database System	1.00	6-30-03	
RODS: Record of Decision	1.00	7-9-03	
Delisted NPL: National Priorities List	1.00	7-22-03	
FINDS: Facility Index System/Facility Identification Initiative Program Summary Report	1.00	7-25-03	

The federal database review identified the facility in the RCRIS-SQG and the FINDS (Facility Index System - Federal ASTM supplemental) databases as 'ACCENT CLEANERS. Accent Cleaners is classified as a Conditionally Exempt Small Quantity Generator (SQG), with no TSDF activities reported. The EPA id is IND133360693, and there have been no violations documented for the facility.

The FINDS database listed the following 'Other Pertinent Environmental Activity Identified at Site':

- Facility Registration System (FRS)
- Resource Conservation and Recovery Act Information System (RCRAINFO)

Five facilities within the specified search distances were recorded in the Federal databases, and are listed below:

GMC Allison Transmission Plants 3 & 12/1

Location: 0.77 miles WNW

Database(s): CORRACTS, PADS, RCRIS-LQG, FINDS, CERC-NFRAP

General Motors Plant 10

Location: Approx. 0.2 miles NNE

Database(s): RCRIS-SQG

Former Allison Plant 10

Location: Approx. 0.21 miles NNE Database(s): RCRIS-SQG, FINDS

Marathon Ashland Petroleum Speedway

Location: 0.81 miles N

Database(s): RCRIS-SQG, FINDS

Michigan Apartments

Location: 3800 West Michigan Street

Database: FINDS

Other pertinent environmental activity identified at the site was:

- Facility Registration System (FRS)
- State Systems (STATE)

Within the CORRACTS database, which identifies hazardous waste handlers with RCRA corrective action activity, GMC Allison Transmission Plants 3 & 12/1 had two entries detailing the corrective action at the site. This facility was identified in the CERCLIS-NFRAP database (alias names-Detroit Diesel Allison Div GM Corp, Detroit Diesel (SIA), and Allison Transmission-GM). The facility is classified as a 'LQG'-large

quantity generator'. There are 23 violations and 29 enforcement actions (27 written informal and two Final 3008(A) Compliance Orders) listed for the facility within the RCRIS database.

The areas of violation are:

- Generator Pre-transport Requirements
- TSD-Tanks Requirements
- TSD-LAND BAN Requirements
- Generator-General Requirements
- Generator-Manifest Requirements
- INUWR
- INUOA
- Generator-All Requirements (Oversight)

The FINDS database listed the following 'Other Pertinent Environmental Activity Identified at Site':

- AIRS Facility System (AIRS/AFS)
- Biennial Reporting System (BRS)
- Facility Registration System (FRS)
- ICIS
- NEI
- National Compliance Database (NCDB)
- National Emissions Trends (NET)
- Resource Conservation and Recovery Act Information System (RCRAINFO)
- State Systems (STATE)
- Toxic Chemical Release Inventory System (TRIS)

General Motors Plant 10 was listed in the RCRIS-SQG database, classified as a small quantity generator (SQG) with no TSDF activities reported, and no violations found. The EPA id for the facility is INR000010926.

Former Allison Plant 10 was identified in the RCRIS-SQG database, classified as a small quantity generator (SQG) with no TSDF activities reported, and no violations found. The EPA id for the facility is INR000806810.

The FINDS database listed the following 'Other Pertinent Environmental Activity Identified at Site':

- Biennial Reporting System (BRS)
- Facility Registration System (FRS)
- Resource Conservation and Recovery Act Information System (RCRAINFO)

Marathon Ashland Petroleum Speedway was identified in the RCRIS-SQG database, classified as a small quantity generator (SQG) with no TSDF activities reported, and no violations found. The EPA id for the facility is INR005417126.

The FINDS database listed the following 'Other Pertinent Environmental Activity Identified at Site':

- AIRS Facility System (AIRS/AFS)
- Facility Registration System (FRS)
- NEI
- Permit Compliance System (PCS)
- Resource Conservation and Recovery Act Information System (RCRAINFO)
- State Systems (STATE)
- Toxic Chemical Release Inventory System (TRIS)

The addresses of the properties and the approximate distance, direction, and elevation relative to the Site are listed in the EDR Report in **Appendix C.**

4.2 STATE RECORDS

The state environmental record sources listed below have been reviewed to obtain information pertaining to the Site and properties within the listed approximate search distance of the Site. Also listed are the month and year when the sources or databases were last updated.

Table 2. State of Indiana Environmental Record Search			
STATE DATABASE	Search Radius (miles)	Last Update	
SHWS: Indiana Hazardous Waste Sites	1.00	12-1-02	
SWF: Indiana Permitted Solid Waste Facilities	1.00	7-11-03	
LUST: Indiana Leaking Underground Storage Tank List	0.50	9-24-03	
UST: Indiana Registered Underground Storage Tank List	0.25	9-24-03	
SPILLS: Spill Incidents	0.25	9-24-03	

The Site was not identified in the state database search.

Four facilities within the specified search distances were recorded in the State databases, and are listed below:

Coca Cola Bottling (3800 W. Michigan Street)

Database(s): UST, LUST,

One reported low priority LUST, with impacted soil, and one UST (not reported).

3800 West Michigan Street

Database: IN SPILLS

Floral Park Cemetery

Location: 0.35 miles SE

One reported low priority LUST, with impacted soil; one permanently out of service

UST.

Speedway/SM #6122

Location: 0.25-0.5 miles N

One reported low priority LUST, with impacted soil; nine USTs.

Marathon Ashland Petroleum Speedway

Location: 0.81 miles N

Database: SHWS

The databases of USTs and LUSTs within the state of Indiana are maintained by IDEM. According to these databases, a total of eleven USTs and three LUSTs are identified within half a mile of the Site.

According to the database search, one UST and one LUST have been located at the 3800 W. Michigan Street Site. The tank status, install date and closure date for the UST (Facility id: 20068) are not reported. The LUST is reported as active and of 'low' priority (Incident number: 198802048). During the Site survey, no signs of Coca Cola Bottling (Facility id 20068), or of any UST/LUST were observed.

One of the USTs and one of the LUSTs were listed under Floral Park Cemetery with one facility identification number (14038). The UST is permanently out of service.

One LUST and nine USTs were listed under Speedway/SM #6122 with one facility identification number (6663). Four of these USTs were 'currently in service', and five were 'permanently out of service'. Based on the location of the Site, Speedway/SM #6122 is upgradient of the Site, and further investigation is necessary since there are four in-service USTs identified in the database. A complete listing of UST and LUST facilities found within the search distance, including a location map, is included in the EDR Report in **Appendix C**.

The database files were reviewed regarding state solid waste facilities/landfill Sites (SWF/LS) and state hazardous waste Sites (SHWS). The Marathon Ashland Petroleum Speedway is listed in the SHWS database (Facility id 0000101), with a score of 21.04. The contaminant type is documented as petroleum and volatile organic hydrocarbons (VOCs), and the media affected are soil and groundwater. The Speedway terminal site is a petroleum bulk storage and pipeline terminal operated by Marathon Ashland Petroleum. During an onsite soil and groundwater investigation, petroleum free product was found to

be impacting the groundwater. Multiple subsurface investigations were conducted to determine the extent of free product as well as adsorbed and dissolved phase organic compounds. The contaminants of concern were determined to be migrating offsite, and multiple recovery wells were placed to treat the groundwater and collect free product. A soil vapor extraction system is being used to remove volatile organic compounds from the soil and groundwater. Significant reductions in free product thickness are currently being found. The soil vapor extraction system has adequately treated the volatile organic compounds to below cleanup goals. The site currently remains in the operation and maintenance stage. Investigations are ongoing to determine locations of source areas and mitigate these sources. IDEM is negotiating additional investigation needs with Marathon.

The SPILLS database, which tracks reported spill incidents, is maintained by IDEM. The records search indicate a domestic sewage spill (three gallons) on the 3800 West Michigan Street property on 1/22/2002, and the water body affected was Little Eagle Creek. The EPA id number for the site is S105274365.

The EDR proprietary historical database lists eleven gas station/dry cleaner sites within 0.25 miles from the site (**Appendix C**: page 19).

Also, Allison Engine Co. has been listed in the Brownfield's database as a VCP (Voluntary Cleanup Program) site (VRP id 6991004).

NOTE: Any records obtained from a non-governmental source should have been updated within 90 days of the date the government agency last made the information publicly available. Information is presented in the manner, grammatical style and spelling archived in the records as the commercial database provider presented them.

4.3 INFORMATION FROM INTERVIEWS

4.3.1 Interview with Site Representative

Ms. Camille Pierce, community manager with AIMCO, Ms. Jennifer Novak, Manager at the Village Pantry (3801 W. Michigan Street), Ms. Edel Mira, Zacatecas (3819 W. Michigan Street), and Ms. Margarita Wilson, Manager at the Michigan Plaza Family Laundry (3823 W. Michigan Street) were interviewed with regards to the current and historical operations of the facility and possible past or present use of potentially hazardous materials at the Site. None of the interviewees were aware of any environmental permits, regulations or Notices of Violation (NOVs) associated with the Site. In addition, they were unaware of the presence of any underground storage tanks or other environmental conditions associated with the Site. No solvent usage is currently taking place at the Family Laundry. The AIMCO personnel were aware of the ongoing soil and groundwater environmental investigations at the site of the former General Motors Corporation Allison Gas Turbine Division Plant 10 facility north of the Site, and the concerns regarding the presence of contaminated groundwater beneath the complex

potentially causing impacts to the indoor air quality within the tenant units of the plaza (for further details, see Section 3.2).

4.3.2 Interview with Local Government Officials

Mr. Adam Rickert, of the Marion County Health Department (MCHD) Bureau of Environmental Health, was contacted on November 04, 2003 to determine if any records or incident reports were available for the Site at the MCHD.

The records demonstrate the following incident reports:

A number of incident reports and violations related to compliance issues were noted on the dry cleaner inspection checklists, with respect to the former Accent Dry Cleaners located at 3819 W. Michigan Street, (perchloroethylene (PCE)). No record of any solvent releases was noted in these documents. The reports are attached in **Appendix D**.

The records and the correspondence with respect to the Former Allison Engine Company, Plant 10 are also attached in **Appendix D.**

Following records were demonstrated for the Michigan Meadows Apartment complex to the north of the Site:

- 1) Complainant concerned about spraying (pesticides) for weeds near her apartment.
- 2) A letter to a resident from the MCHD regarding the improper disposal of dialysis bags.
- 3) An odor/sickness complaint (June 1996), which was corrected by the MCHD.
- 4) Sewage overflow incident from a manhole into the Little Eagle Creek, on January 22, 2002. A review of the incident indicates that it refers to an overflow that occurred at a mobile home park rather than the Michigan Meadows Apartments.

The MCHD records and/or incident reports identified for the Site, and some of the adjacent properties are attached in **Appendix D**.

4.4 SUMMARY OF RECORDS REVIEW

The federal database review identified the facility in the RCRIS-SQG and FINDS (Facility Index System - Federal ASTM supplemental) databases. The site was not listed in any of the reviewed state databases.

One CORRACTS site, two RCRIS Sm. Quan. Gen. sites, one RCRIS LQG site, one State Haz. Waste site, three LUST sites, and one VCP site were identified within the ASTM specified search radii.

In conclusion, the records reviewed indicate that the Site has a few reported environmental concerns:

- 1. Due to the past use of solvents (for example, perchloroethene) at the former **Accent dry cleaners** on the Site (3819 W. Michigan Street), this former operation pose a potential concern for the Site.
- 2. There are violations and enforcement actions (RCRIS) documented for GMC Allison Transmission Plants 3 & 12/1, which exists upgradient of the site. Hence further investigation is needed with respect to the facility.
- 3. The for GM AGT Plant 10 (also noted as the former Allison Plant 10 in the databases) located north of the Site has been classified as small quantity generator (RCRIS). Though no violations or TSDF activities are documented, because of its proximity and the type of business operations that have historically taken place, the site is a potential concern. Therefore, further investigation is indicated.
- 4. The **Speedway/SM** #6122 facility has four in-use USTs. Since the site is upgradient of the Site, further investigation might be necessary.
- 5. **Marathon Ashland Petroleum Speedway** documented in the SHWS database may pose a potential concern with the petroleum products migrating offsite.

Therefore, based on the proximity of other sites with environmental concerns, and past operations of a dry cleaners on site, the potential exists for environmental impairment to the Site's groundwater system, and further investigation is warranted.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

This Phase I Environmental Site Assessment included a reconnaissance visit to the Site, a review of the previously listed available environmental database and related agency information for the Site and surrounding properties, interviews, prior ownership records, aerial photographs, published geologic information, and other related items. This information was used to evaluate existing or potential environmental impairment of the Site due to current or past land use disclosed by this study.

The findings of this assessment did disclose some potential environmental concerns at the Site, and there appears to be a potential for environmental impairment from current or past land usage or from surrounding properties.

1. Onsite (former) Dry Cleaners (Chlorinated Solvents, PCE)

The historical existence of dry cleaners onsite (Accent Dry Cleaners: 3819 W. Michigan Street - Michigan Plaza) poses a potential concern for the Site. It is possible that residual hazardous substances (e.g. perchloroethene) from the previous dry cleaning operations have contaminated the site. The former dry cleaning activities represent a potential environmental concern to the Site.

2. Adjacent RCRA, Known Groundwater Impacts

The former General Motors Corporation Allison Gas Turbine Division Plant 10 facility located north of the Site have been classified as small quantity generators (RCRIS). Though no violations or TSDF activities are documented, known impacts from this facility to the underlying groundwater system at the Michigan Plaza is present. Therefore, these known groundwater impacts warrant continuing monitoring and further investigation.

3. Adjacent RCRA, Miscellaneous violations

There are violations and enforcement actions (RCRIS) documented for the General Motors Corporation Allison Transmission Plants 3 & 12/1, which exists upgradient of the site. Hence, it is a potential area of concern.

4. Vicinity Petroleum Releases (LUSTs / USTs)

The Speedway/SM #6122 facility has four in-use USTs. It is possible that impacts have reached the Site via subsurface flow. Therefore, these tanks represent a potential environmental concern to the Site.

5. Adjacent Hazardous Waste Facility

Marathon Ashland Petroleum Speedway documented in the SHWS database may pose a potential concern with the petroleum products migrating offsite.

6. Asbestos-Containing Materials (ACMs)

ACM is suspected in the form of roofing materials, floor tiles, sheet vinyl flooring, ceiling tile and drywall. A complete ACMs assessment, including sampling and analysis of suspect materials, was conducted for the property. Laboratory analytical results indicated asbestos was detected in floor tile and associated mastic. As such, this material represents a potential environmental concern if not properly managed during demolition or renovation.

7. Transformers

Two (2) overhead pole mounted transformers were observed throughout the Site. At the time of this evaluation, evidence of damage or past or present leakage or spills was not apparent. Blue decals, which indicate the transformer does not contain PCBs, were observed on the transformers. Therefore, there is a likely probability of no PCB content in the transformer. However, actual testing must be conducted to confirm the lack of PCB content.

5.2 **RECOMMENDATIONS**

Based on the above findings and conclusions, MUNDELL recommends the following steps to further evaluate the identified potential environmental concerns. Assistance with developing detailed programs for such additional studies can be provided on request.

- 1. Additional soil and groundwater sampling within the Site and downgradient to monitoring ongoing impacts from the former GM AGT Plant 10 facility and better determine the horizontal and vertical chlorinated organic impacts to the groundwater system.
- 2. Installation of additional soil borings and groundwater sampling on the Site in the vicinity of the former dry cleaners to determine potential impacts from the former operations.
- 3. Development and implementation of a formal asbestos management program for the Site.
- 4. Monitoring of the two (2) transformers as part of the routine property maintenance activities. Immediate reporting and testing of any leaking

transformers to determine the presence of PCBs, is recommended. If present, it is recommended that the fluids be changed to a non-PCB containing type.

6.0 LIMITATIONS

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, Site observations, field exploration, and laboratory test data presented in this report.

It should be noted that environmental evaluations are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and Site evaluation. For these types of evaluations, it is often necessary to use information prepared by others and MUNDELL cannot be responsible for the accuracy of such information. Additionally, the passage of time may result in a change in the environmental characteristics at this Site and surrounding properties. This report does not warrant against future operations or conditions, nor does this warrant operations or conditions present of a type or at a location not investigated. This report is not a regulatory compliance audit and is not intended to satisfy the requirements of any state, federal, or local real estate transfer laws.

This report is intended for the sole use of Bose McKinney & Evans LLP. This report may not be used or relied upon by any other party without the written consent of MUNDELL. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

Our conclusions regarding the potential environmental impact of nearby, off-site facilities on the Site are based on readily available information from the environmental databases and the assumed groundwater flow direction. A detailed file review of each facility was beyond the scope of work.

MUNDELL reviewed past ownership of the project Site in an attempt to determine past Site usage. MUNDELL is not a professional title insurance firm and makes no guarantee, explicit or implied, that the listing reviewed represented a comprehensive delineation of past Site ownership or tenancy for legal purposes.

MUNDELL does not warrant the correctness, completeness, currentness, merchantability, or fitness of any information related to records review provided in this report. Such information is not the product of an independent review conducted by MUNDELL, but is

only publicly available environmental information maintained by federal, state, and local government agencies.

7.0 PROFESSIONAL CREDENTIALS

A qualifications statement of the environmental professionals responsible for this Phase I Environmental Site Assessment and preparation of the report has been delivered to Bose McKinney & Evans, under separate cover. This statement includes relevant individual and corporate qualifications.

8.0 REFERENCES

- Environmental Data Resources, Inc., October 29, 2003. The EDR Radius Map with Geocheck, 3800/3801-3823 W Michigan St, Indianapolis, IN.
- Harrison, W., 1963. *Geology of Marion County, Indiana*, Indiana Department of Conservation, Geological Survey Bulletin No. 28.
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- Mundell & Associates, Inc., October 4, 2002, Review of Keramida Environmental, Inc. Phase II Investigation Report, Former General Motors Corporation Allison Gas Turbine Division Plant 10, 700 North Olin Avenue, Indianapolis, Indiana.
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USDA, Soil Conservation Service, October 1991. Soil Survey of Marion County, Indiana.

United States Department of the Interior, Geologic Survey, Topographical Map, Indiana Quadrangle, 1986.

Phase I Information Review Report for General Motors Corporation Allison Gas Turbine Division Plant 10, Engineering-Science, Inc., April 21, 1993.

Soil Gas Data AGT Site, Engineering-Science, Inc., June 1993.

Phase II Information Review Report for General Motors Corporation Allison Gas Turbine Plant 10, Engineering-Science, Inc., November 19, 1993.

Geophysical Survey for Buried Materials at the Allison Engine Company Plant 10 Site, Geosphere, Inc., September 2000.

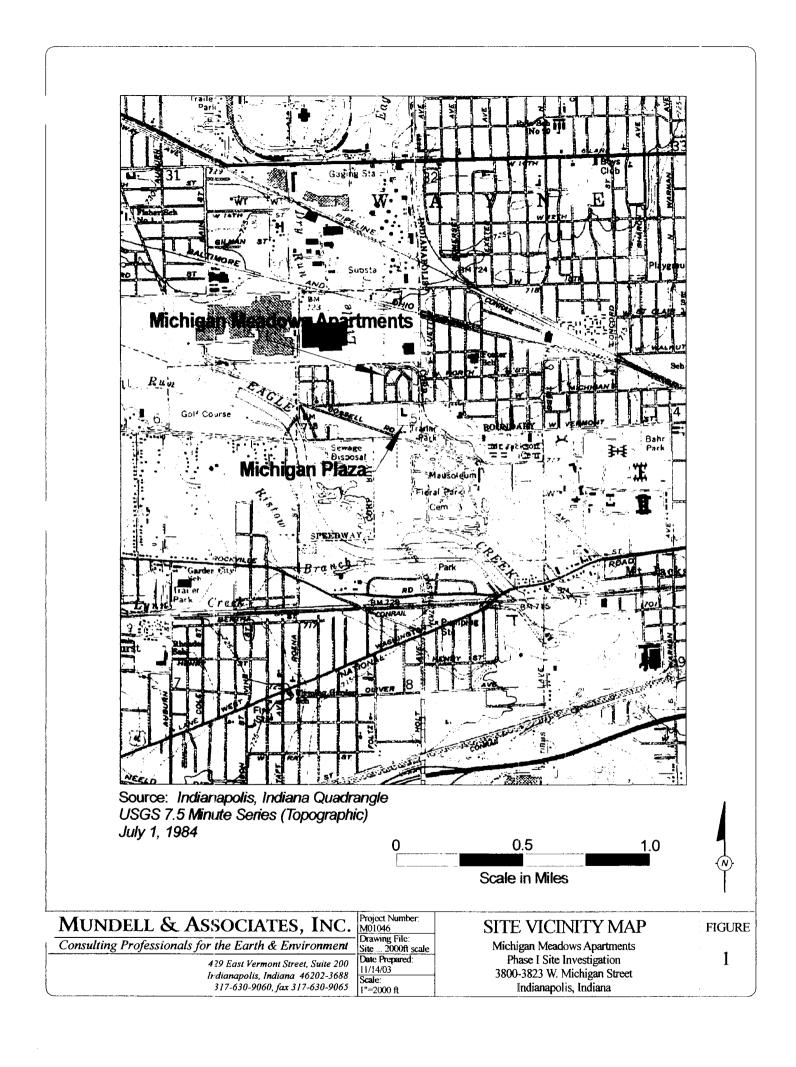
Feasibility Study Report, General Motors-Allison Gas Turbine Plant 10, Fluor Daniel GTI, June 3, 1997 (DRAFT).

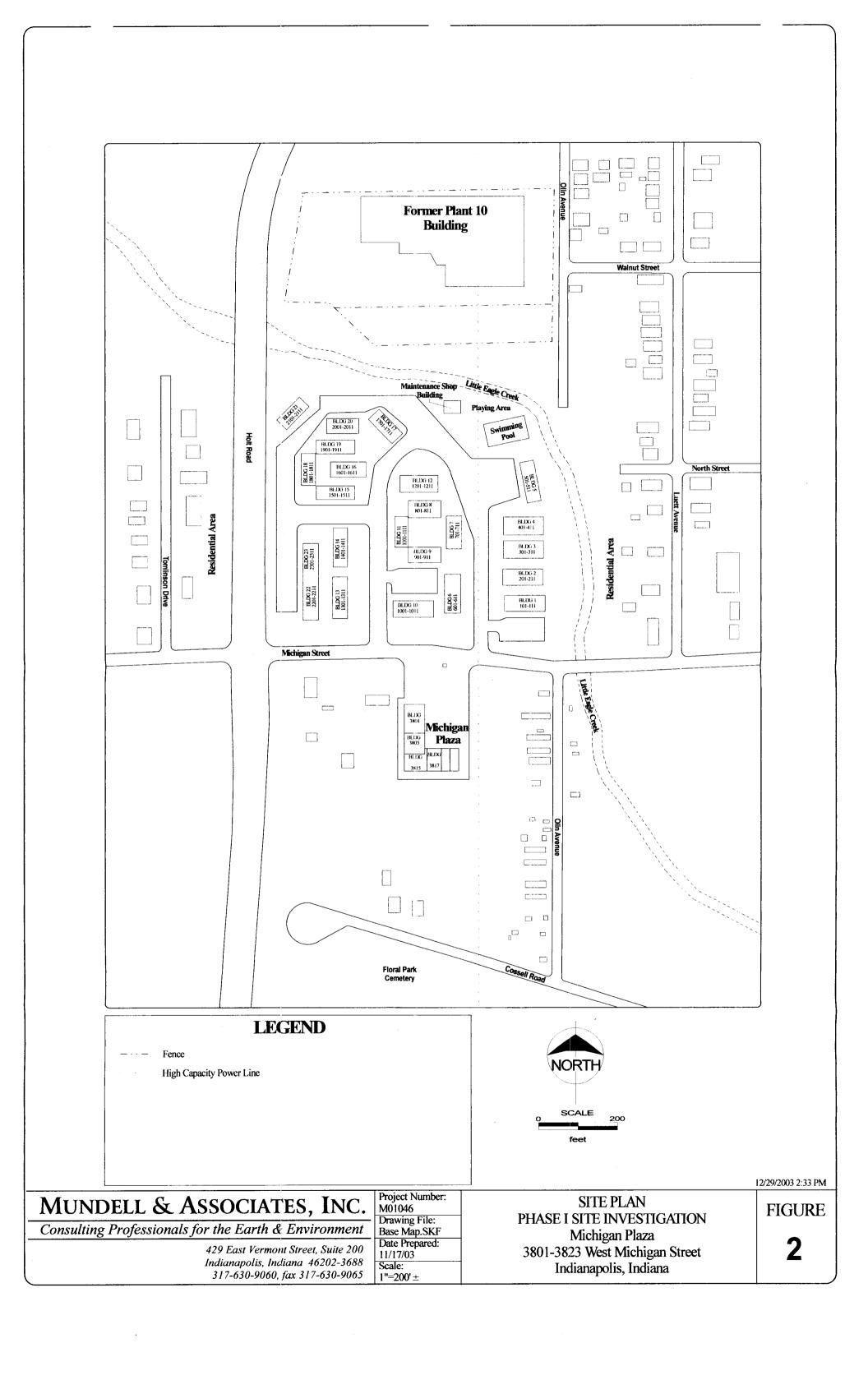
Remedial Investigation Report, General Motors-Allison Gas Turbine Plant 10, Fluor Daniel GTI, September 19, 1997 (DRAFT).

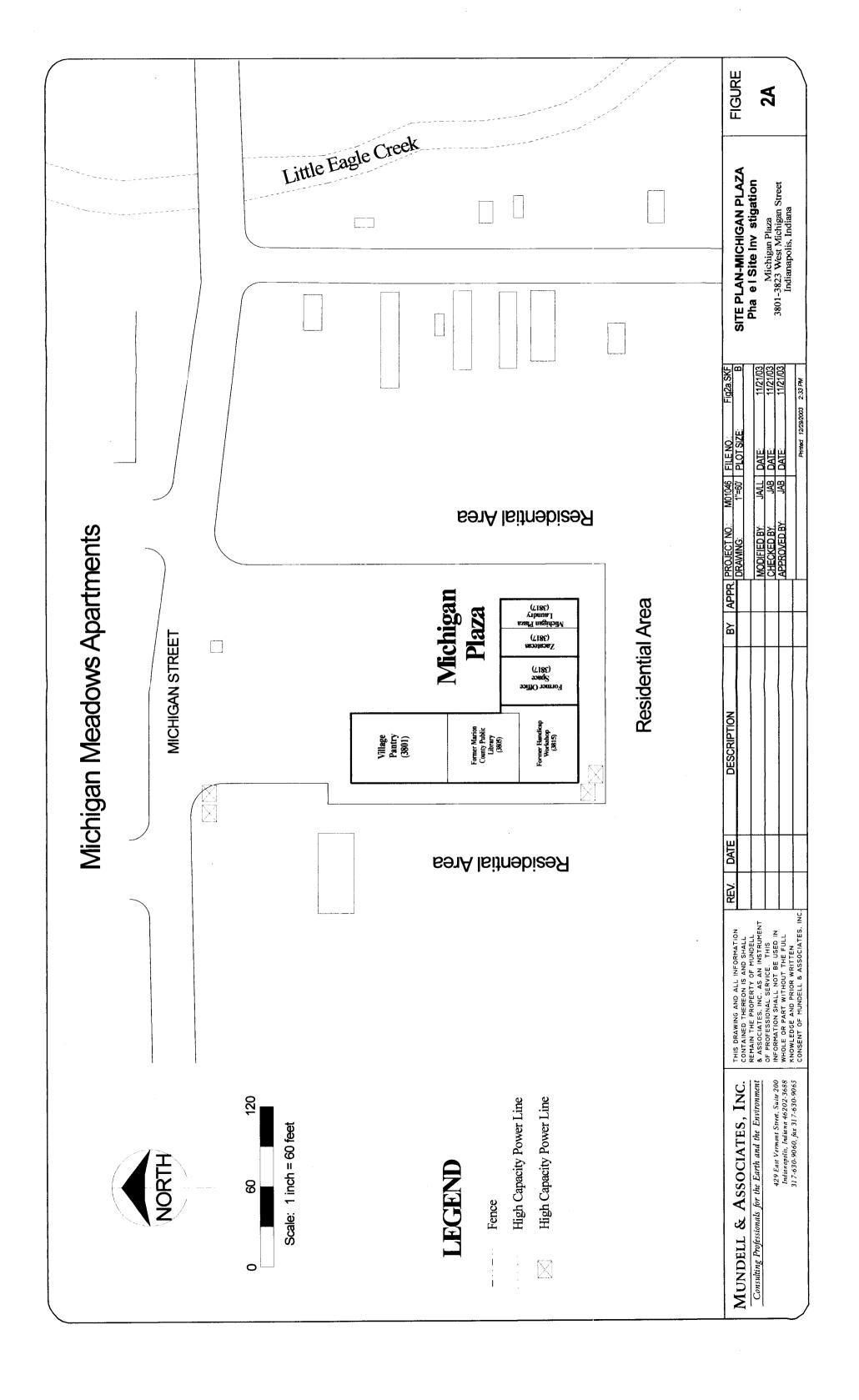
FIGURES

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FIGURES



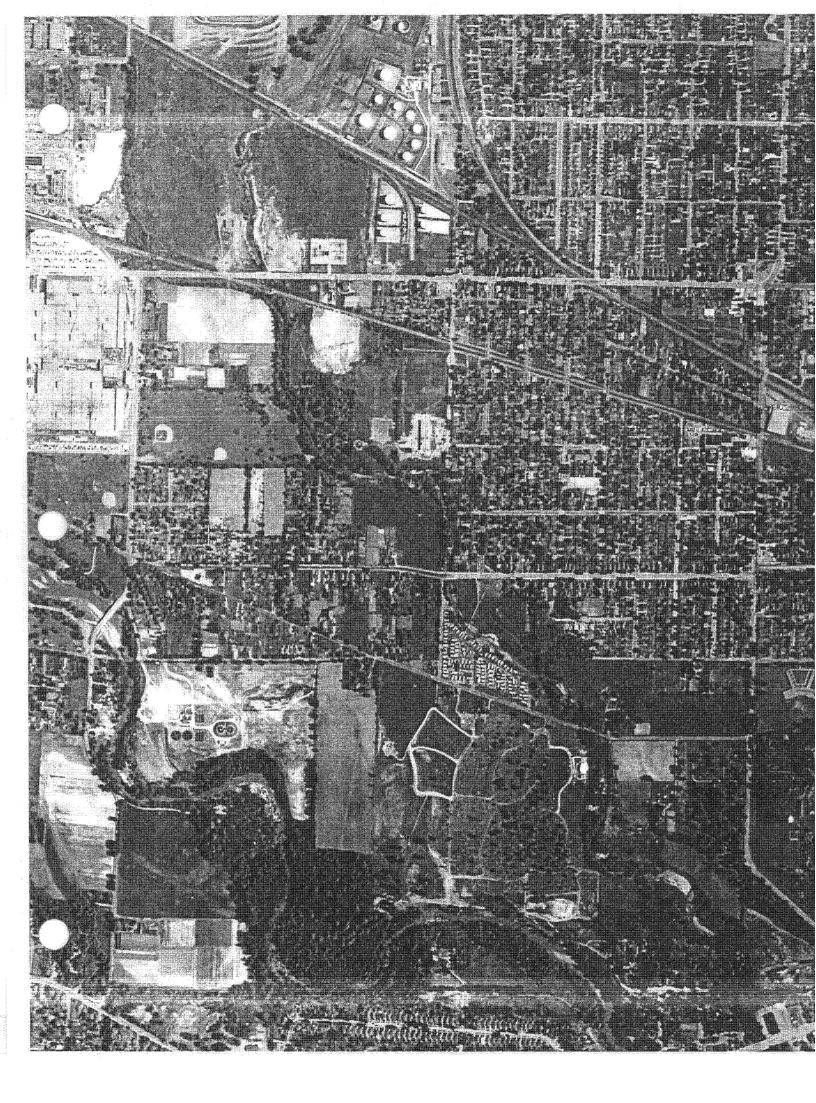


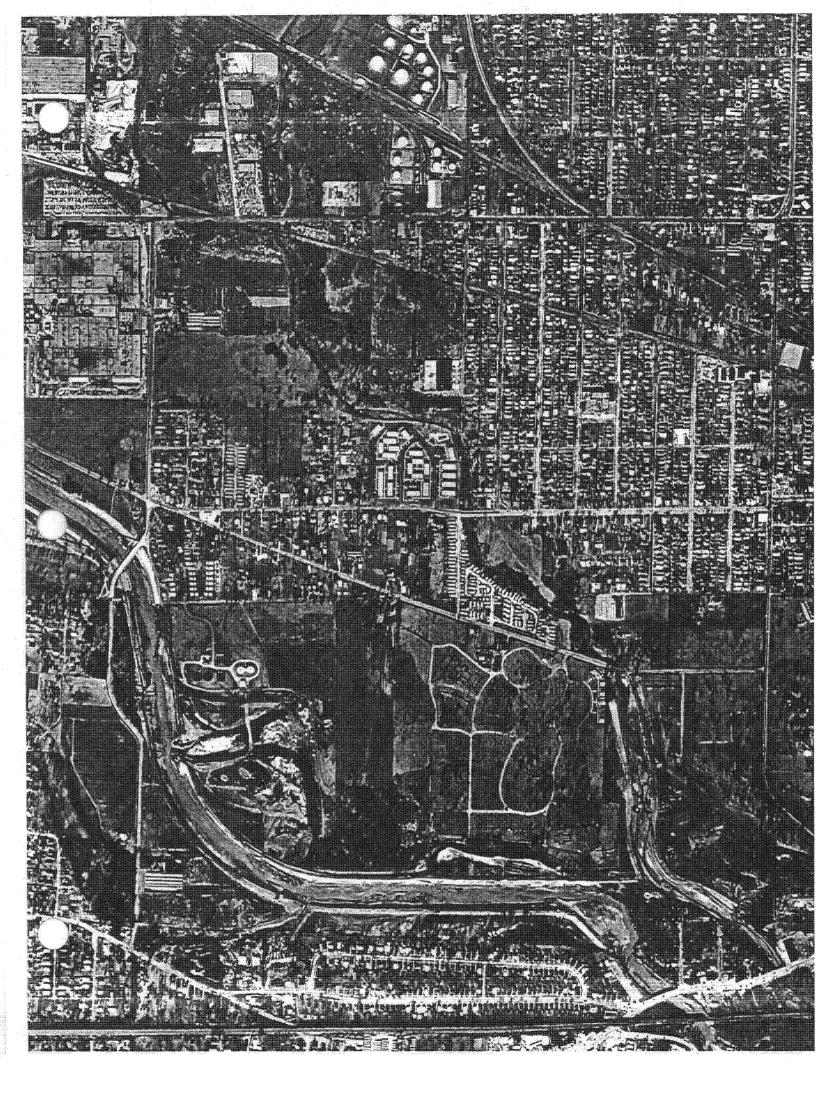


Date EDR Searched Historical Sources: Aerial Photography October 30, 2003

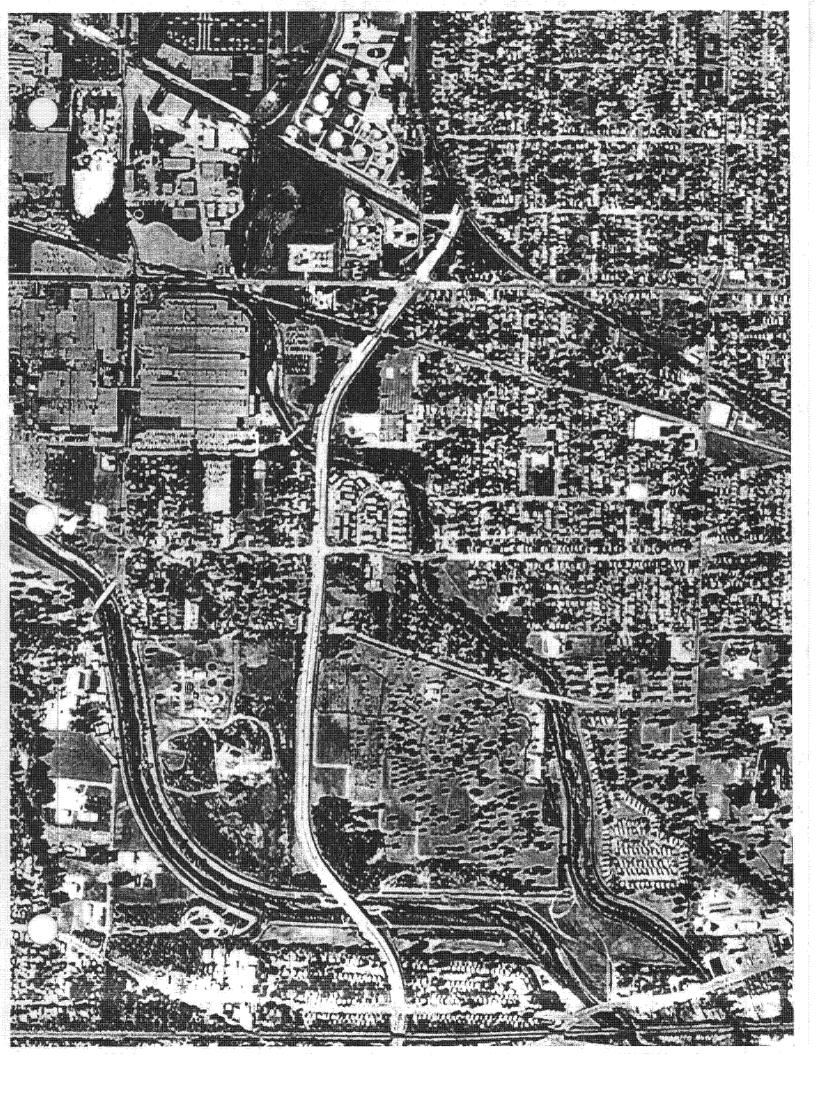
Target Property: 3800/3801-3823 W Michigan St Indianapolis, IN 46249

PUR IL <u>Year</u>	<u>Uses</u>	Portion-Findings (FIM Information Only)	<u>Source</u>
1956	Aerial Photograph. Scale: 1"=750'	Panel #: 2439086-G2/FlightDate: June 7, 1956	nar
1966	Aerial Photograph. Scale: 1"=750'	Panel #: 2439086-G2/FlightDate: March 2, 1966	nar
³ 1971	Aerial Photograph. Scale: 1"=750'	Panel #: 2439086-G2/FlightDate: August 12, 1971	nar
1987 .	Aerial Photograph. Scale: 1"=833'	Panel #: 2439086-G2/FlightDate: August 19, 1987	nar
5 1992	Aeriai Photograph. Scale: 1"=833'	Panel #: 2439086-G2/FlightDate: March 1, 1992	nar











APPENDIX A

Site Visit Photographic Log

APPENDIX A

Site Visit Photographic Log



Photo No. 1: Michigan Plaza



Photo 2: Michigan Plaza



Photo 3: Village Pantry (3801 W. Michigan Street)



Photo 4: Marion County Public Library (Moved)



Photo 5: Marion County Public Library



Photo 6: Previous National Handicap Workshop-vacant space (3815 W. Michigan Street)



Photo 7: Vacant Office Space just west of the Mexican Grocery Store

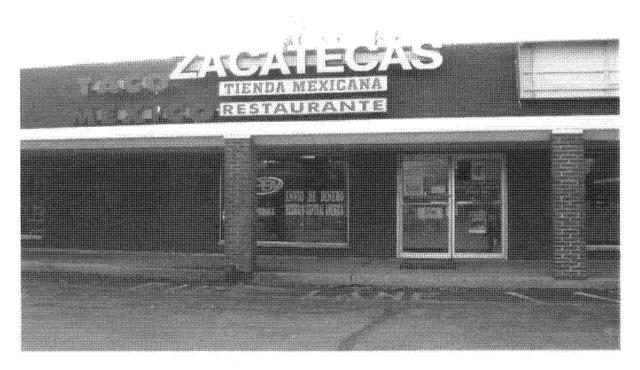


Photo 8: Mexican grocery store (3819 W. Michigan Street)



Photo 9: Michigan Plaza Family Laundry (3823 W. Michigan Street)



Photo 10: Michigan Apartments (Property North of the Site)

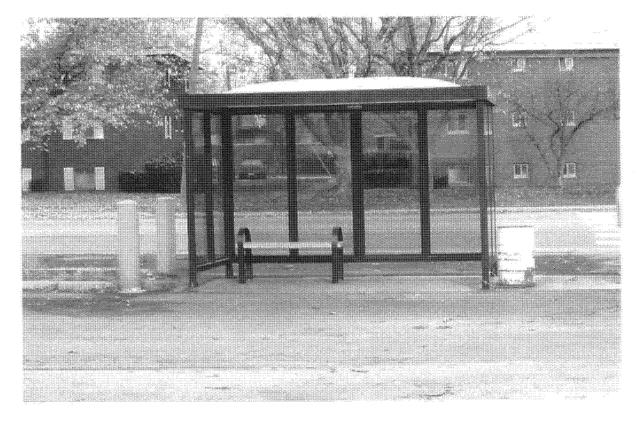


Photo 11: Bus stop just North of the plaza



Photo 12: Adjacent property to the east/southeast side



Photo 13: Adjacent property to the east/southeast side



Photo 14: Adjacent property to the south of the Site

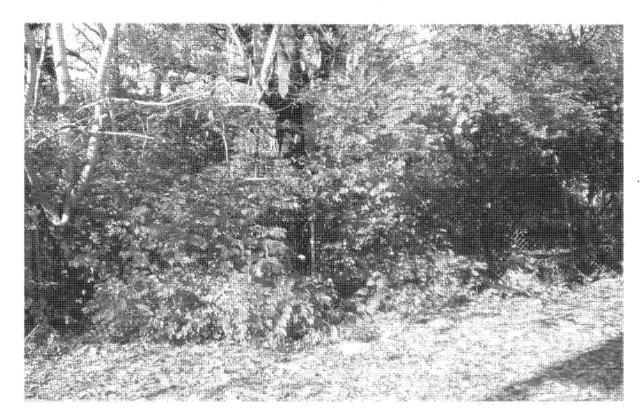


Photo 15: Adjacent property to the west of the Site

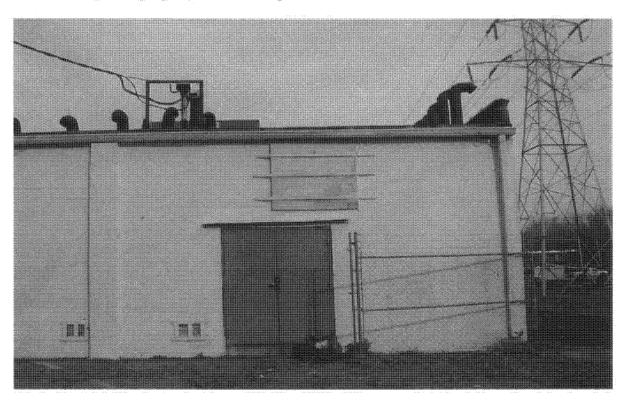


Photo 16: Backside of the laundry (3823 W. Michigan Street), and the High Capacity Power Line

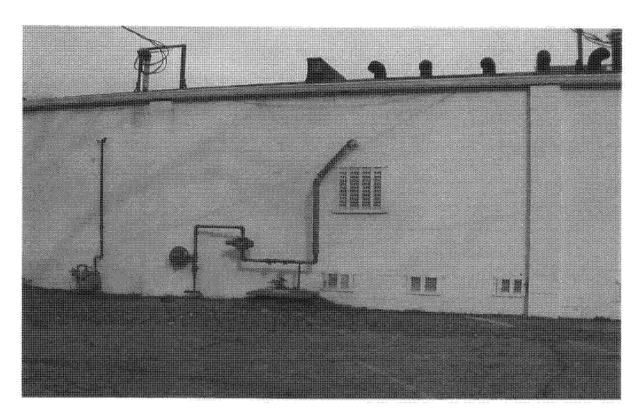


Photo 17: Backside of the Plaza – Gas Line on a mound of asphalt

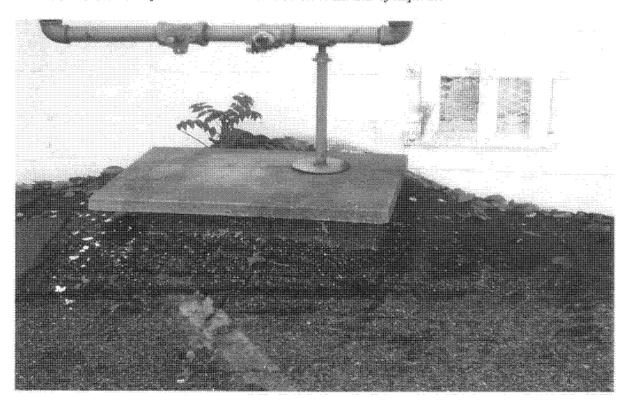


Photo 18: Gas Line and Asphalt Mound

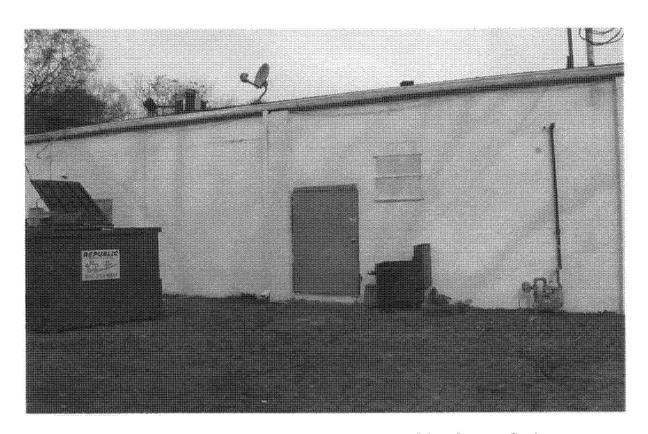


Photo 19: Backside of 3819 W. Michigan Street (dumpster, old cooker, gas line)



Photo 20: Asphalt Patch, Gas Line and Sewer Cleanout

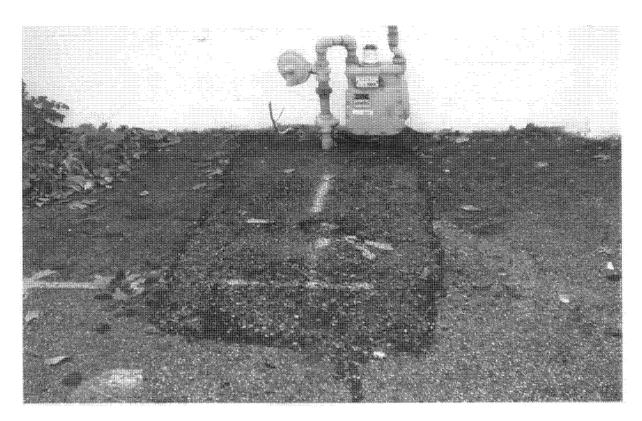


Photo 21: Asphalt Patch # 2

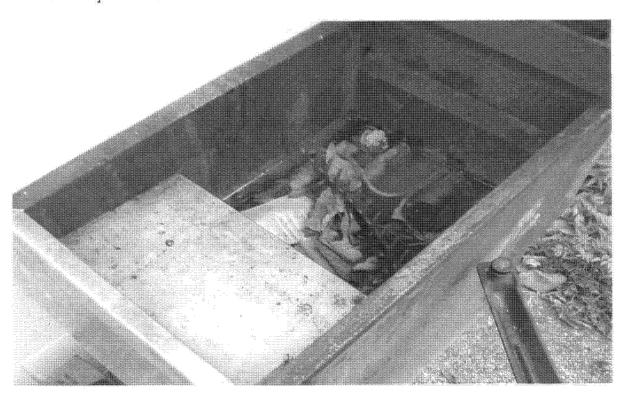


Photo 22: Old Cooker on the Southside of the plaza



Photo 23: Old Water Heater on the West side of the Plaza



Photo24: Sewer cleanout on the West side of the Plaza





Photo 25: West wall of the Plaza

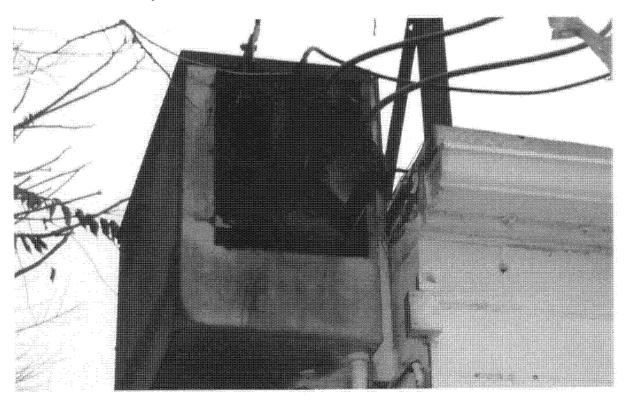


Photo 26: Top southwest corner of the Plaza



Photo 27: Former Marion County Public Library Interior

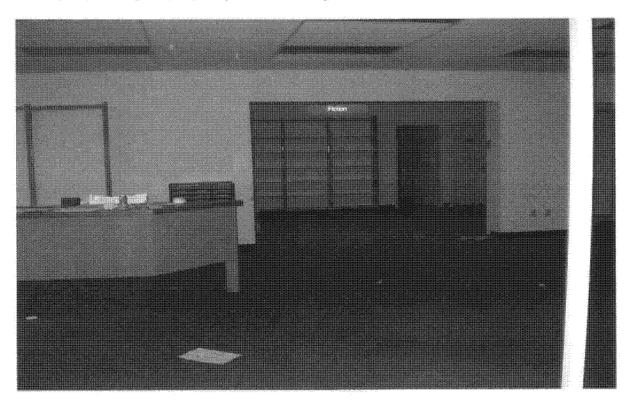


Photo 28: Former Marion County Public Library Interior



Photo 29: Library Interior, Shelves

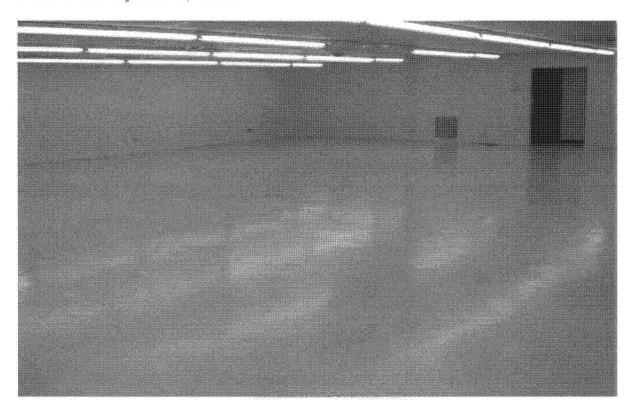


Photo 30: Handicap Workshop Interior

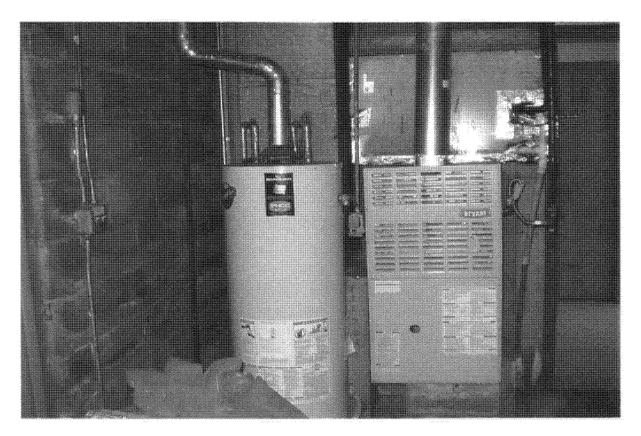


Photo 31: Handicap Workshop Boiler Room



Photo 32: Office space (just east of Handicap Workshop)

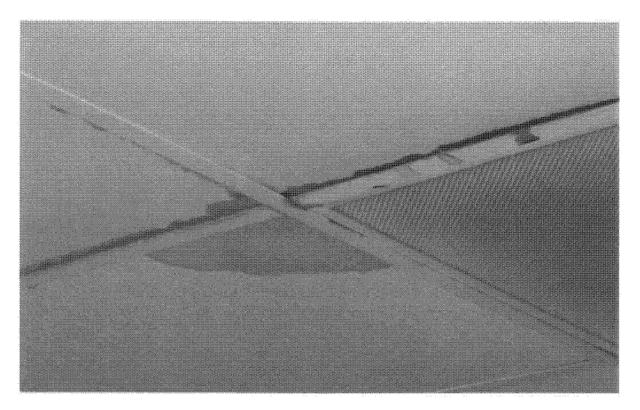


Photo 33: Office Space Ceiling Tiles



Photo 34: Office Space Ceiling



Photo 35: Zacatecus, the Mexican Grocery Store



Photo 36: Michigan Plaza Family Laundry Interior



Photo 37: Michigan Plaza Family Laundry Interior

APPENDIX B

Historical Records

- Sanborn Maps
- City Directories
- CEM Past Property
 Ownership/Use
- Selected Historical Aerial Photographs (Indygov.org)



"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Leena Lothe

Order Date: 10/29/2003

Completion Date: 10/29/2003 1:58

Mundell & Associates, Inc

Inquiry #: 1073238.5S

429 E Vermont

P.O. #: na

Indianapolis, IN 46202

Site Name:

Michigan Plaza Shopping Center

Address: 3800/3801-3823 W Michigan St

Customer Project:na

City/State: Indianapolis, IN 46249

1012355ROG

317-630-9060

Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified

1915 - 1 - map

1950 - 1 - map

1956 - 1 - map

1963 - 1 - map

1965 - 1 - map

1967 - 1 - map

Total Maps: 6

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Ship to: Leena Lothe

Customer Project:na

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Completion Date: 10/29/2003 1:58

Mundell & Associates, Inc

Inquiry #: 1073238.5S

429 E Vermont

P.O. #: na

Indianapolis, IN 46202

Site Name: Michigan Plaza Shopping Center

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City/State: Indianapolis, IN 46249

1012355ROG

317-630-9060

Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified

1915 - 1 Map

1950 - 1 Map

1956 - 1 Map

1963 - 1 Map

1965 - 1 Map

1967 - 1 Map

Total Maps: 6

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Thank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for transferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR Account Executive at 1-800-352-0050.

Organization of Electronic Sanborn Image File

First Page Sanborn Map Report, listing years of coverage

Second Page Electronic Sanborn Map Images USER'S GUIDE

Third Page Oldest Sanborn Map Image

Last Page Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

· Open file on screen.

Identify TP (Target Property) on the most recent map.

Find TP on older printed images.

Using Acrobat, zoom to 250% in order to view more clearly.

200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.

Zooming in on an image:

On the menu bar, click "View" and then zoom.

Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File

EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).

To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

Acrobat Version 4

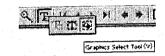
· Go to the Menu bar

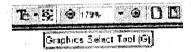
Press and hold the "T" button

- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

Acrobat Version 5

- Go to the Menu Bar.
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- · Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.





Important Information about Email Delivery of Electronic Sanborn Map Images

Images are grouped into one file, up to 2MB.

• In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.

Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.



Sanborn Maps

Project: Base Mchimber - Simes

OVERSIZED DOCUMENT

Box # <u>(0002/</u>		····	·	
Bates# & Tif	897:1	A.17	g 85	
Description:	Opysigi	he 1961	7	
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Project: Bose McKinsuby Simon

OVERSIZED DOCUMENT

Box # <u>0004</u>	
Bates# & Tif 907: 1 20810	
Description: Copyright 1965	

Project: Bose Junco

OVERSIZED DOCUMENT

Box # <u>2004</u>	
Bates# & Tif 9/2:/ Joc 1 7987	
Description: Copyright 1963	

Project: Dose Dimco

OVERSIZED DOCUMENT

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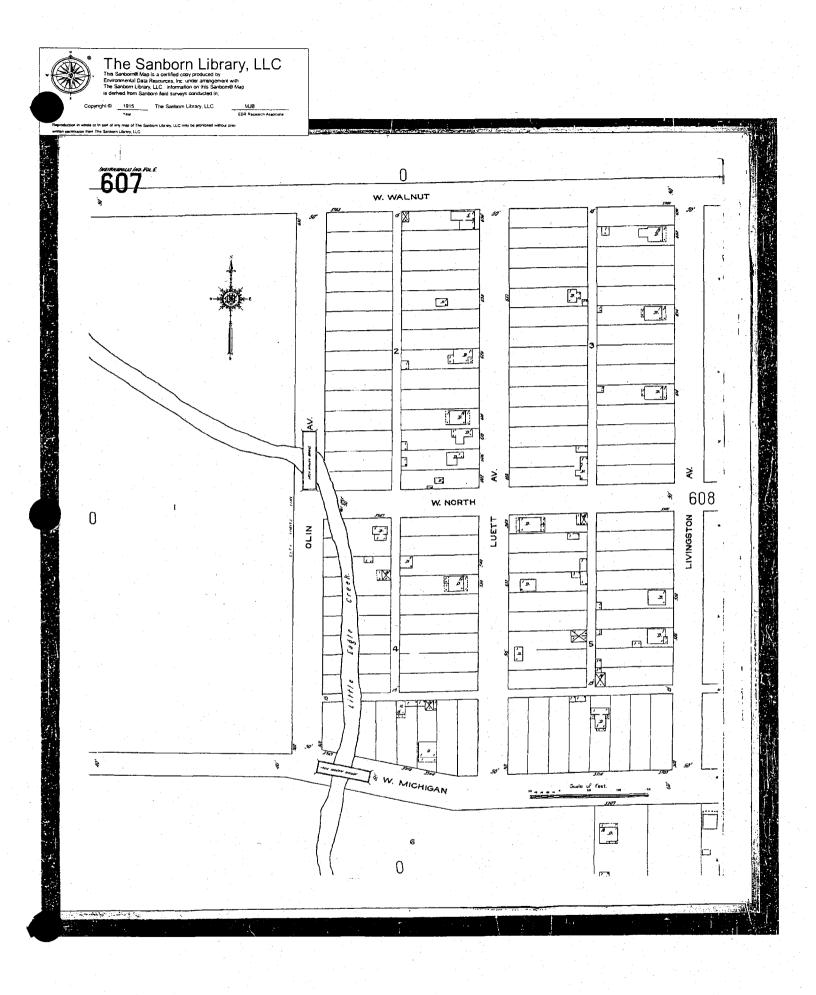
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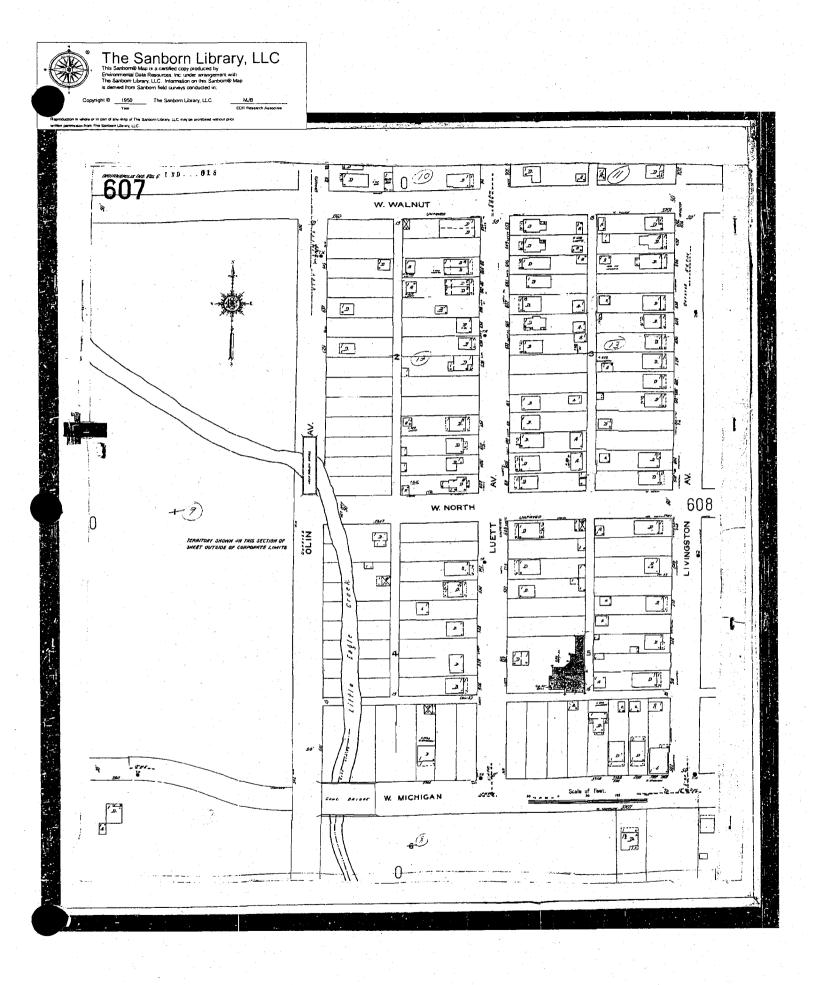
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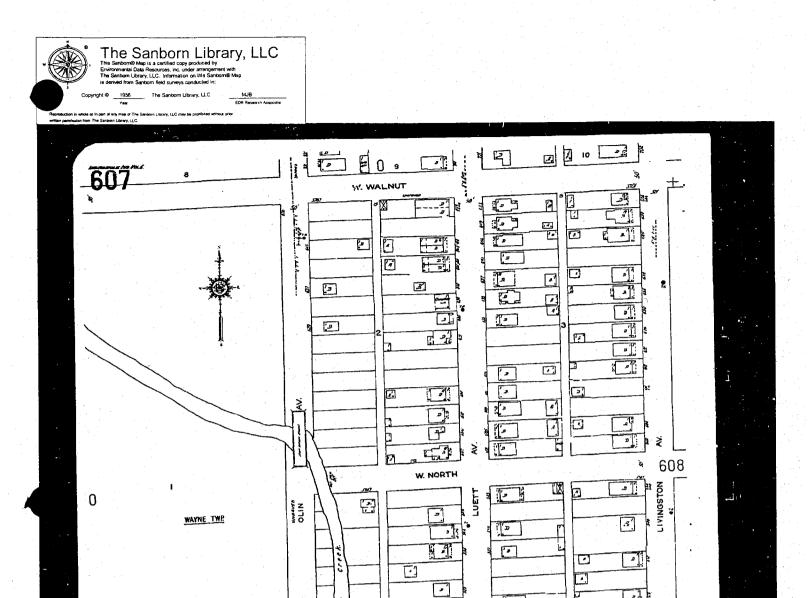
Project: Bose McKindley & Simco

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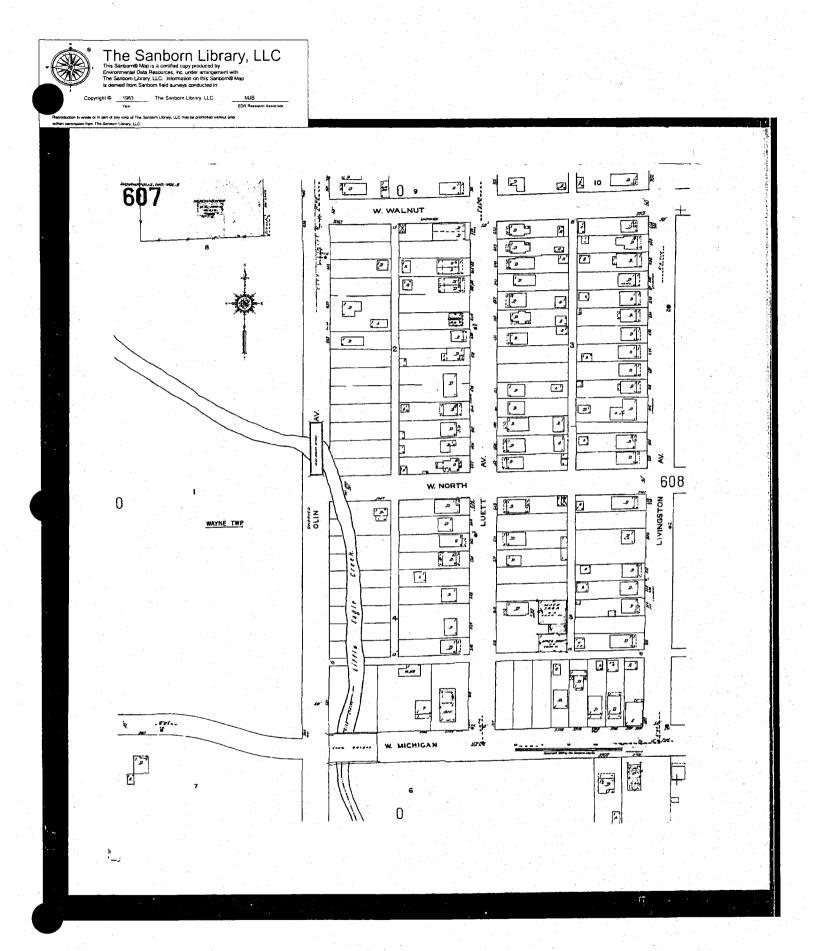


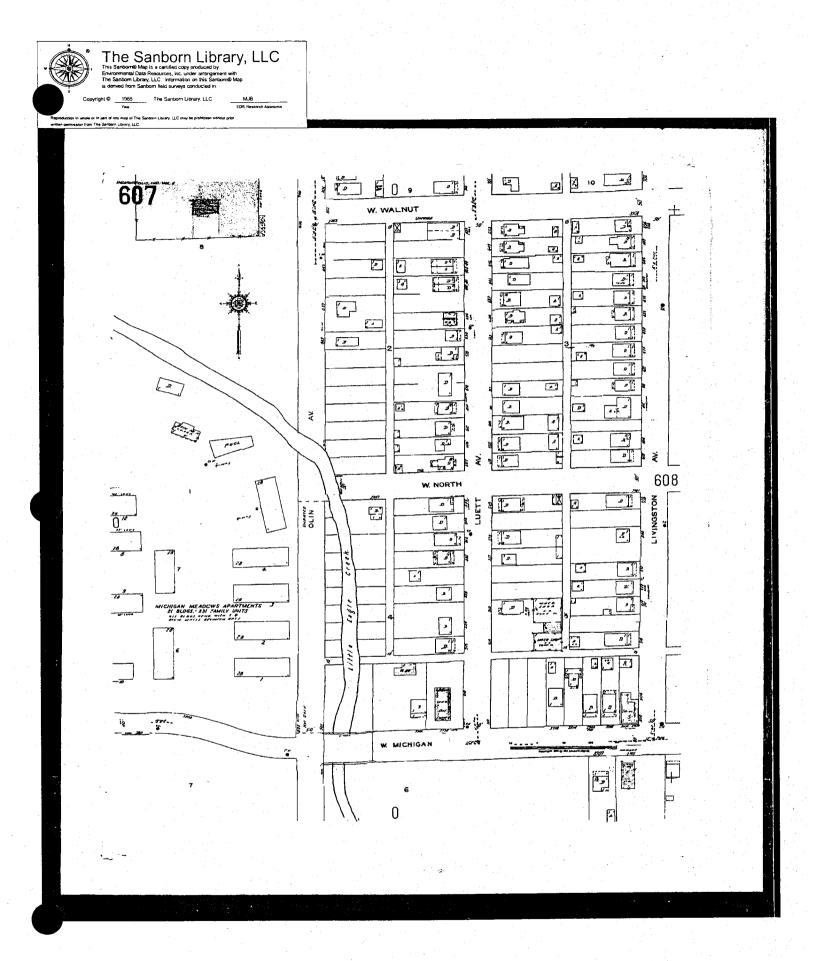
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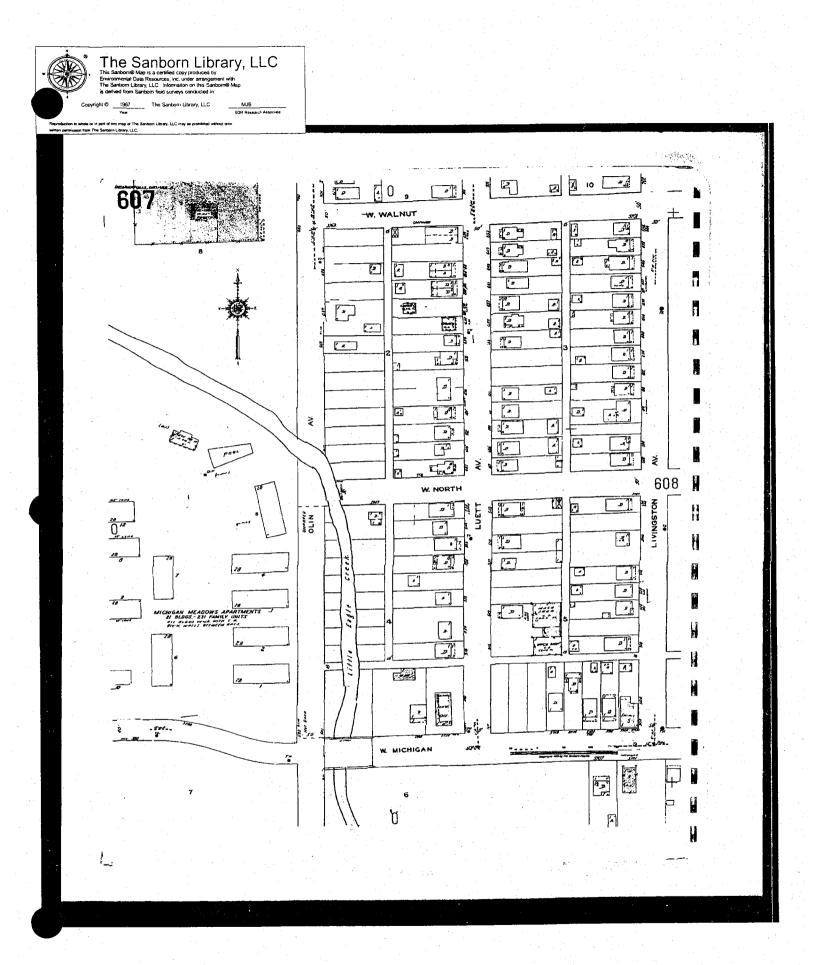
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ar.

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The EDR-City Directory Abstract

Michigan Plaza Shopping Center 3811 W Michigan St Indianapolis, IN 46249

October 29, 2003

Inquiry Number: 1073238-8

The Source For Environmental **Risk Management** Data

3530 Post Road Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050

Fax: 1-800-231-6802

Environmental Data Resources, Inc. City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following standard historical sources may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires "All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful." (ASTM E 1527-00, Section 7.3.4, page 12.)

EDR's City Directory Abstract includes a search and abstract of available city directory data.

City Directories

City directories have been published for cities and towns across the U.S. since the 1700s. Originally a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. Twentieth century directories are generally divided into three sections: a business index, a list of resident names and addresses, and a street index. With each address, the directory lists the name of the resident or, if a business is operated from this address, the name and type of business (if unclear from the name). While city directory coverage is comprehensive for major cities, it may be spotty for rural areas and small towns. ASTM E 1527-00 specifies that a "review of city directories (standard historical sources) at less than approximately five year intervals is not required by this practice." (ASTM E 1527-00, Section 7.3.4, page 12.)

NAICS (North American Industry Classification System) Codes

NAICS is a unique, all-new system for classifying business establishments. Adopted in 1997 to replace the prior Standard Industry Classification (SIC) system, it is the system used by the statistical agencies of the United States. It is the first economic classification system to be constructed based on a single economic concept. To learn more about the background, the development and difference between NAICS and SIC, visit the following Census website: http://www.census.gov/epcd/www/naicsdev.htm.

Please call EDR Nationwide Customer Service at 1-800-352-0050 (8am-8pm EST) with questions or comments about your report.

Thank you for your business!

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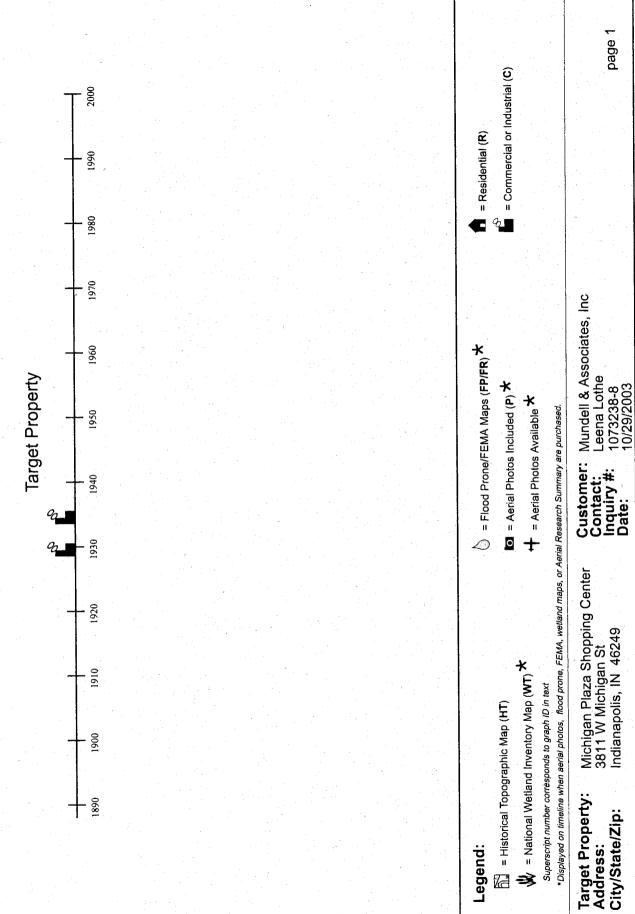
This report contains information from a variety of public and other sources. Environmental Data Resources, Inc. (EDR) has relied on the information provided to it from such sources. EDR has not reviewed and does not warrant or guarantee the completeness, accuracy, timeliness or authenticity of such information in preparing this report. THE INFORMATION AND METHODOLOGY USED TO COMPILE THIS REPORT, AND THE ANALYSIS AND SERVICES INTENDED TO BE PROVIDED BY THIS REPORT ARE PROVIDED "AS IS" WITHOUT WARRANTY OR GUARANTY OF ANY KIND. EDR DISCLAIMS ANY OTHER EXPRESSOR IMPLIED WARRANTIES WITH RESPECT TO THIS REPORT AND ALL THE INFORMATION CONTAINED HEREIN, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall EDR be liable for any indirect, special, punitive or consequential damages, whether arising out of contract, tort or otherwise, arising out of this report and the information contained herein even if EDR has been advised of the possibility that such damages may arise.

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Prior Use Report® Timeline



4. SUMMARY

• City Directories:

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2000. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

This report compiles information by geocoding the subject properties (that is, plotting the latitude and longitude for such subject properties and obtaining data concerning properties within 1/8 of a mile of the subject properties). There is no warranty or guarantee that geocoding will report or list all properties within the specified radius of the subject properties and any such warranty or guarantee is expressly disclaimed. Accordingly, some properties within the aforementioned radius and the information concerning those properties may not be referenced in this report.

Date EDR Searched Historical Sources:

Target Property: 3811 W Michigan St Indianapolis, IN 46249

PUR ID <u>Year</u>	<u>Uses</u>	<u>NAICS</u>	Source
1920	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1925	Address not Listed in Research Source	N/A	 R. L. Polk & Co.
1930	POTTER JOHN A(R)GRO (3811)		R. L. Polk & Co.
	OLIVER CLARENCE B (3811)		R. L. Polk & Co.
1945	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1949	Address not Listed in Research Source	N/A	R. L. Polk & Co.
	Address not Listed in Research Source	N/A	R. L. Polk & Co.
 1957	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1959	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1962	Address not Listed in Research Source	N/A	R. L. Polk & Co.
_ 1964	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1970	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1973	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1975	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1978	Address not Listed in Research Source	N/A	 R. L. Polk & Co.
_ 1980	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1985	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1986	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1990	Address not Listed in Research Source	N/A	R. L. Polk & Co.
 1991	Address not Listed in Research Source	N/A	R. L. Polk & Co.
2000	Address not Listed in Research Source	N/A	Haines & Compan

Adjoining Properties

SURROUNDING Multiple Addresses Indianapolis, IN 46249

PUR ID <u>Year</u>	<u>Uses</u>		<u>NAICS</u>	
1920	** TOMLINSON Addresses **			
	HENRY AURS (523)			
	LAFAYETTE MURPHY (536)			
	HUBERT W ADAMS CONTR (540)	1000		
	ALB 0 ROUNDER (544)			•
	BARTLETT L PROPST (547)			
	MARSHALL F GOLDEN (550)			
	LEE R TAYLOR (556)			
		Two controls		
1925	Address not Listed in Research Source		N/A	
1930	** OLIN AVE Addresses **			
	CRANDALL (N) CHAS B (450)			
	** TOMLINSON Addresses **			
	Unknown (506)			
. ,	Unknown (523)		5.00	
	Unknown (536)			
	Unknown (540)	- 1		
. :	Unknown (542)			
	Unknown (544)			
	Unknown (547)	ζ		
	Unknown (550)			
	Unknown (556)			
	** MICHIGAN W Addresses **			
	SUDDITH GUY (3748)			
	DENNEY WNM (3815)	And the state of		
	SMITH JAS W (3819)			
	FRUITS OREN (3821)			
	OWEN WN (3822)			
	MCQULSTON SAMI (3824)			
	SMALILMAN IDA MRS0 (3825)			
	WHITAKER ALVA HO (3837)			
	BENNOTT CIARENCE W0 (3841)			
	SCHAUB OSCAR W(R) (3926)			
. *	KELLER GEO W(R) (3936)			
	DENSHAM EARL T (3937)	. 1		

BAUGH WIN T(R) (3938)

1073238-8 4

Source

R. L. Polk & Co.

R. L. Polk & Co.

R. L. Polk & Co.

PUR ID Year	<u>Uses</u>	<u>NAICS</u>		Source
1930 (contin	ied) SPRINGER LOUIS C (3939)			
1935	** MICHIGAN W Addresses **			
	WNILTS WALTER H (3748)			R. L. Polk & Co.
	AKERS JOS A(R) (3815)			
	SMITH JAS WO (3819)			
	TEDRICK WM (3821)			
	NELSON JAS N(R) FE (3822)			
	MEQULOTON SAINIR (3824)			
	GELAA TERRY(R) (3825)		*	
	WHITAKER ALVA ER (3837)			
	TAYLOR TUSSELL H F (3841)			
	REARWESSON MOOREM (3926)			
	SOHAUB OSCAR W(R) (3926)			
	RAMSEY MUEMMS (3936)			
	KICLOETIS JOB (3937)			
	S BAUGH WIN TF (3938)			
	SPRLNGER LOUIS CR INTERIOR	DECORATO (3939)		en e
1945	Address not Listed in Research Source	N/A		R. L. Polk & Co.
1949	Address not Listed in Research Source	N/A		R. L. Polk & Co.
1954	Address not Listed in Research Source	N/A		R. L. Polk & Co.
1957	Address not Listed in Research Source	N/A		R. L. Polk & Co.
1959	Address not Listed in Research Source	N/A		R. L. Polk & Co.
1962	Address not Listed in Research Source	N/A		R. L. Polk & Co.
1964	Address not Listed in Research Source	N/A		R. L. Polk & Co.
1970	Address not Listed in Research Source	N/A		R. L. Polk & Co.
	·			
1973	** TOMLINSON N ST Addresses **			R. L. Polk & Co.
	WILSON ROBT D (506)			$\frac{1}{2} \left(\frac{1}{2} \right) \right) \right) \right) \right)}{1} \right) \right) \right)} \right) \right)} \right) \right)} \right) \right)} \right) } \right) } } \right) } } } }$
	PHEBUS GLADYS M MRS (509)			
	SPRINGER WALTER (523)			
	STOCKING CHARLES E (524)			
	BUCHANAN GEO H (530)			
	MILLER W EDW (534)			
	TOMLINSON BRICE L (544)			
	MOORE JOHN'E (545)			
	MILLER ANNETTA H MRS (547)			

TAYLOR JOSEPH G (548)

NAICS

Source

** W MICHIGAN ST Addresses **

BANKS JOSEPH J (3800)

GEARRIES JOYCE K (3800)

HUTCHESON SHARON MRS (3800)

KLAUSNER JOSEPH (3800)

MICHIGAN MEADOWS APTS (3800)

RIDENOUR JOYCE L (3800)

SIEGRIST THOS A (3800)

SINGLETON JUDY (3800)

SMITH CHARLES E (3800)

SPARKS JAMES F (3800)

TIMOTHY PAUL B (3800)

SHORT STOP MARKET (3801)

MICHIGAN PLAZA PHARMACY (3805)

VACANT (3807).

N/A

VACANT (3809)

N/A

INDIANAPOLIS MARION COUNTY PUB LIBRARY (3815)

COX JOHN L (3817)

ACCENT CLEANERS (3819)

MICHIGAN PLAZA COIN LNDRY (3823)

OLMHTED BURTON L (3835)

CLOE GEO E (3839)

NO RETURN (3926)

JOHNSON HORACE D (3927)

GUERECA TIMOTHY (3928)

JOHNSON JOHN (3931)

KONRÁD THOS E (3936)

ARROWS TAXIDERMY (3937)

EADS ROBT (3937)

SHAW CLARENCE E (3938)

APPLEGATE MICHI (3939)

BURR HOWARD (3949)

1975 Address not Listed in Research Source N/A

R. L. Polk & Co.

R. L. Polk & Co.

1978

** MICHIGAN W ST Addresses **

MICHIGAN MEADOWS APTE (3800)

SHORT STOP MARKET (3801)

VACANT (3805)

N/A

PLAZA BOUTIQUE SALON (3807)

1073238-8

PUR ID	77		MATCE		Course
<u>Year</u> 1978 (contin	<u>Uses</u>		<u>NAICS</u>		Source
1976 (Contin	VACANT (3809)		N/A		
	INDIANAPOLIS MARION COUNTY PU	IB LIBRARY (381	5)		
	COX JOHN L (3817)				
	ACCENT DRY CLEANING (3819)				
	MICHIGAN PLAZA COIN LNDRY (382	3)		-	
	OLMSTEAD BURTON L (3835)				
	CLOE GEO E (3839)				
	WELBORN ARTH L (3939)				
	BURR HOWARD L (3949)	200			
,	DUNCAN LEE V (3950)				
1980	Address not Listed in Research Source		N/A		R. L. Polk & C
					D I D-II- 8- C
1985	Address not Listed in Research Source		N/A		R. L. Polk & C
1986	** TOMLINSON N ST Addresses **				D I D-11- 8 C
	WILSON ROBT D (506)				R. L. Polk & C
	DILLENDR ERNEST E 24 M (509)				
	BO DG MARGT L (523)				
	STOCKING DOROTHY A MRS (524)				
	TORNLINSON BRICE L (544)				
	NO RETURN (545)				
	COSSELL CHARLES I (547)				
	DILLON CHEASTER L (548)				
	BLANKENOHIP JOHNNY L (556)				
	** W MICHIGAN ST Addresses **				
	LAMM CONNLE (3800)				
	MICHIGAN MEADOWS APTS (3800)				
	NO RETURN (3800)			100	
	NO RETURN (3800)				
	ORUNDY JATMES R (3800)				
	STAPP JOYCE F MRS (3800)			-	
	VILLAGE PANTRY GRO (3801)				
	ME CLOUD PEST CONTROL (3809)				
	INDIANAPOLIS MARION COUNTY PI	UB LIBRARY (38)	15)		
	COX JOHN L (3817)		•		
	ACCENT DRY CLEANING (3819)				
	MICHIGAN PLAZA COIN LNDRY (38)	23)			
	OLMSTED BURTON L (3835)				
	CLOE GEO (3839)				

OSTING HAROLD L (3939) BURR HOWARD L (3949) NO RETURN (3950) PUR ID **NAICS** Year Uses N/A 1990 Address not Listed in Research Source ** TOMLINSON N ST Addresses ** 1991 WILSON ROBT D (506) DILLENDER ERNEST E (509) BOGGS MARGT L (523) STOCKING DOROTHY A MRS (524) CRAIL ROBT E (530) CAINE SALLY S (534) TOMLINSON BRICE L (544) ARMSTRONG JOSEPH L (545) PRESLEY DICK (547) N/A VACANT (548) WISE MARY A MRS GAUS WM H (549) BROCKMAN EDW R (554) BLANKENSHIP JOHNNY L (556) 2000 ** HOLT RD Addresses ** XXXX 00 (501) RICHARDSON LEONARD (502) FELIX P A (505) XXXX 00 (507) CLARK ROBT E (511) WOOLUMS J S (512) XXXX 00 (513) MILLER BURLESS D (516) CHILDERS JASON (520) XXXX 00 (524) XXXX 00 (526) FARLOW ROBT N (527) XXXX 00 (529) ALBRECHT LAURA M (531) SENESAC LESLI (542) XXXX 00 (543) AMER LEGION 64 (601) ** TOMLINSON Addresses ** WILSON ROBT D SR (506) CARDWELL STEVE (509) XXXX 00 (523) SWATTS DOROTHY (524)

> XXXX 00 (530) CAINE S S (534)

Haines & Company

Source

R. L. Polk & Co.

R. L. Polk & Co.

NAICS

2000 (continued)

TOMLINSON B L (534)

MARTIN SHARON (545)

MARTIN TERRENCE (545)

PRESLEY M (547)

CLOUD DOUGLAS A (548)

GAUS WM H (549)

BRACKEN MATHEW R (554)

BLANKENSHIP MARY (556)

** MICHIGAN W Addresses **

ABRON CRISSY (3800)

ADAMS CURTIS (3800)

ALLOCCO VICTORIA (3800).

ALVARADO SALVADOR (3800)

ARRIAGA RENA (3800)

ARTEAGA ANTONIO (3800)

AVANT KIMBERLY (3800)

AYRE THOMAS A (3800)

BANKS LISA (3800)

BAUGH R (3800)

BAUTISTA VICTORIA (3800)

BECERRIL ALVARO (3800)

BLOCK JERRY (3800)

BOWLING ROSS S (3800)

BOWMAN EDWARD (3800)

BROOKS ANTHONY (3800)

BROSHOUS E A (3800)

BROWN BETTY (3800)

BUENO JUANITA B (3800)

BUI XE T (3800)

BUNTEN JOHN R (3800)

BUTLER AMANDA (3800)

CABRERA OBDULIA (3800) CALDERON GERMAN (3800)

CALOWELL D (3800)

CAMBRON JOSE MANUEL (3800)

CAMERON R G (3800)

CARTER A (3800)

CARTER KAREN (3800)

CASTRO RAFAEL M (3800)

CORREA BEATRIZE F (3800)

COX J L (3800)

DAVIS J (3800)

2000 (continued)

DILLARD TALESHA (3800)

DONALD DENISE (3800)

ESLAVA MAXIMINO (3800)

FITZPATRICK GEN (3800)

GADDIS J R (3800)

GARRETT JAMES M (3800)

GLASPER N H (3800)

GONZALEZ BLANCA (3800)

GONZALEZ GANIER (3800)

GONZALEZ JOSE MANUEL (3800)

GONZALEZ NORMA (3800)

GOSE E (3800)

GOURLEY BRIDGET A (3800)

GROW MIKE (3800)

GUILLEN PEDRO (3800)

HAASE BERTA (3800)

HALL THOMAS R (3800)

HAMMER WM (3800)

HAMMOND JOHN (3800)

HAWKINS DAVID (3800)

HINER DOROTHY (3800)

JACKSON S (3800)

JENNINGS WAYNE (3800)

JOHNSON L S (3800)

JONES LAKETHIA (3800)

KADAKIA TUSHER (3800)

KENNEBREW M (3800)

KENNETT P R (3800)

KIM DAE HEE (3800)

KING MAXINE (3800)

KNOPPKIE MARVIN (3800)

LAFOLLETTE LARRY (3800)

LAREAU DOUGLAS (3800)

LAWRENCE JR (3800)

LEBO S (3800)

LEDMAN JOHN (3800)

LEE D (3800)

LEE J (3800)

LIMBROCK A (3800)

LOCKHART W (3800)

MANN JULIE (3800)

MARTIN TONY (3800)

1073238-8 10

2000 (continued)

MARTINEZ DARRO (3800)

MARTINEZ MANO (3800)

MAZARIEGOS MARLENY (3800)

MCGAIRK CHRISTINA (3800)

MCWILLIAMS KIP (3800)

MEDARIS MARGARET (3800)

MI APARTMENTS (3800)

MICHIGAN MDWS APTS (3800)

MONTESDEOCA REYNALDO (3800)

MORALES GERMAN (3800)

MOREL GAIL (3800)

MORGAN CHARLES W SR (3800)

MORRIS TERESA (3800)

MURCIA DELMI G (3800)

MURRELL BYRON (3800)

MURRELL MELISSA (3800)

NDONGO PATRICE A (3800)

NIMYLOVYCH JURIJ A (3800)

NORHAZLIN ABU HASAN (3800)

OROZCO JAIME (3800)

OUTLAW WM T JR (3800)

PABLO GUADALUPE (3800)

PARKER TARSHA L (3800)

PATTERSON AARON (3800)

PEOPLES ANDREW (3800)

PEREZ SEFENINO (3800)

PINEDA INS (3800)

POULAKOS ALICE (3800)

PRICE MANE A (3800)

PUCKETT CAROL (3800)

RAMSEY CRYSTAL (3800)

REED CHRISTEN (3800)

RENTON FREDERICK (3800)

ROBINSON CLARA (3800)

ROWLETTE G (3800)

SAMBA NATHANIEL S (3800)

SANTOS CESAR AUGUSTO (3800)

SANTOS MRRIAM NOEMI (3800)

SCHWENDEMAN (3800)

SCOTT M E (3800)

SENA RACHAEL (3800)

SLAUGHTER TAMEKA (3800)

1073238-8 11

Uses 2000 (continued)

SMITH ZELMA (3800)

SOTO JOSE J (3800)

STARKS KAREN (3800)

STOWERS JOHN (3800)

STOWERS MARY (3800)

SULLIVAN JOSEPH M (3800)

TAYLOR ROBT (3800)

THISPLETHWAITE MISTY RENEE (3800)

THOMAS STANLEY (3800)

THOMAS VERNON (3800)

THOMPSON CORA (3800)

UBELHOR GEORGETTE (3800)

WATKINS CLEO (3800)

WHITLOCK F D (3800)

WILLEY SARAH (3800)

WILLIAMS KAREN (3800)

WOLFLA J M (3800)

WYNNE JAMES (3800)

Unknown (3800)

VILLAGE PANTRY (3801)

LIBRARIES-PUBLIC-BRANCH (3805)

XXXX 00 (3807)

ALLSTATE INS SALES (3809)

AMONETT CHERYL (3809)

FITTS CHARLIE (3809)

CTY CO LBRY (3815)

NATL HANDICAPPED WORKSHOP INC (3815)

COX ALFEROCINA (3817)

XXXX 00 (3819)

BUSTIN BUBBLES LAUNDRY (3823)

XXXX 00 (3830)

OLMSTED BURTON L (3835)

HELTON J (3839)

XXXX 00 (3939)

BURR HOWARD L (3949)

XXXX 00 (3950)

Prior Ownership History Parcel 9010112 (Apt complex)

W19780109 19780109 Eades, David C 2 Warranty deed

Roy H Lambert % Regency Windson Co. Suite 1-5.

Olin Avenue: Parcel 9035493

TAX DISC: 901

USE: 340.

PROP LOC: 700 OLIN

Deed Type W Date 09/27/2002

hand Imp 171,800 393,500

Total 565,300

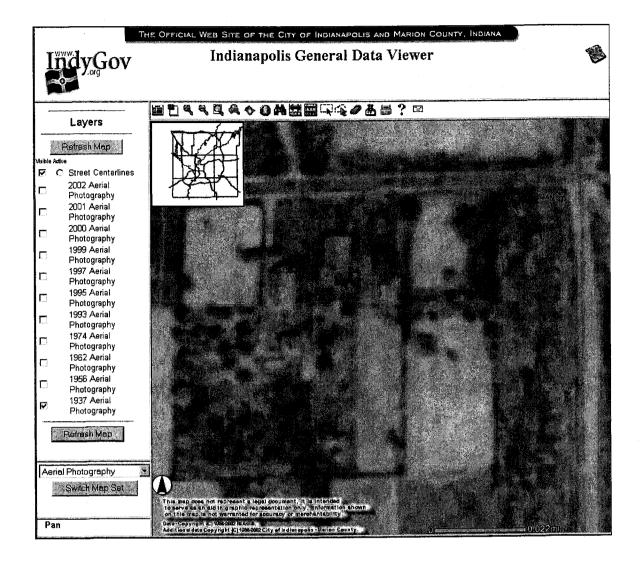
Pancel status : Active Acerage : 4 9180

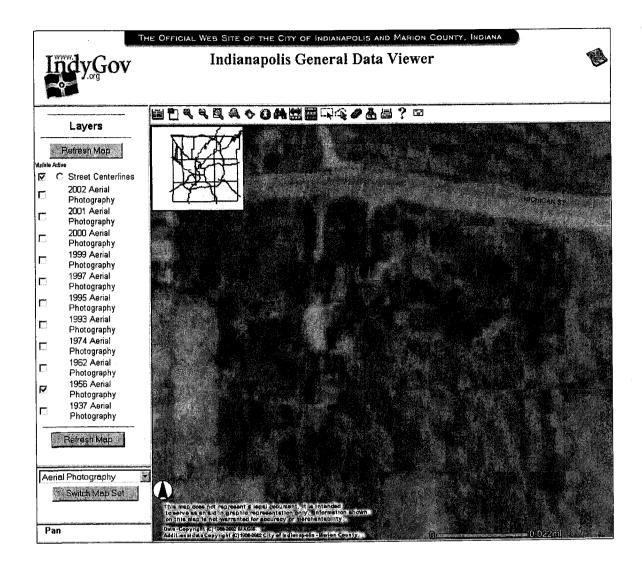
Prior Ownership History Parcel 9035493

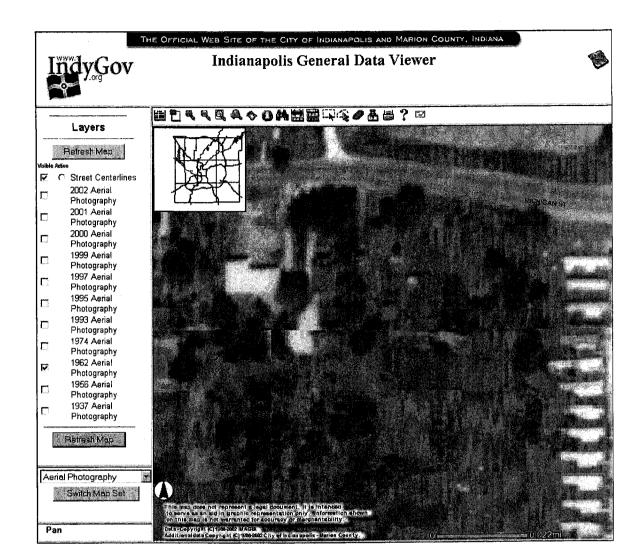
W 1998 1230 1998 1231 Associated Properties Services Inc. A/K/A Associated Property Services Inc.

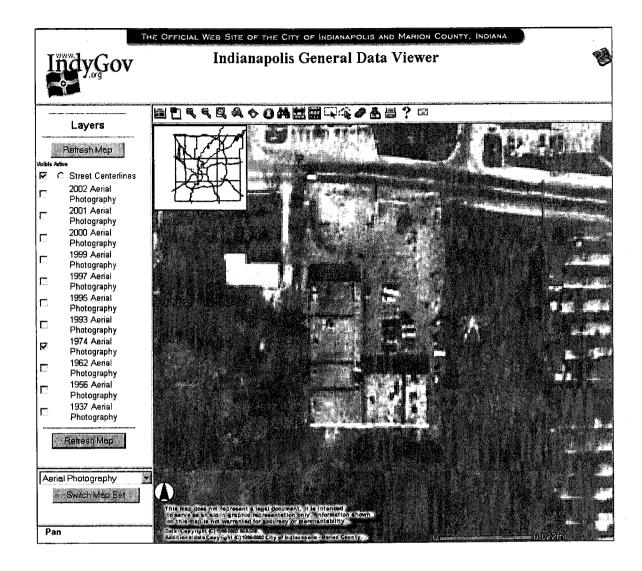
C 19931129 19931206 AEC Aquisition Corp % Allison Engine Co. Mail Drop V 27

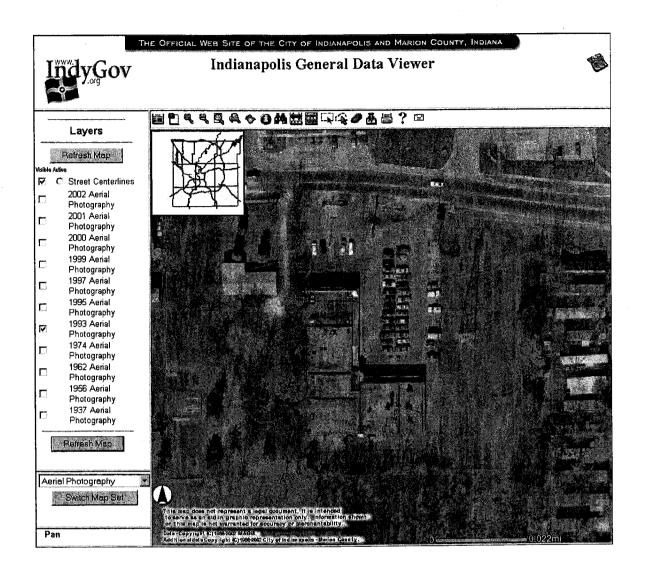
W 19770304 19770304 General Motors Corp. C/o Allison Gas Turbine División.

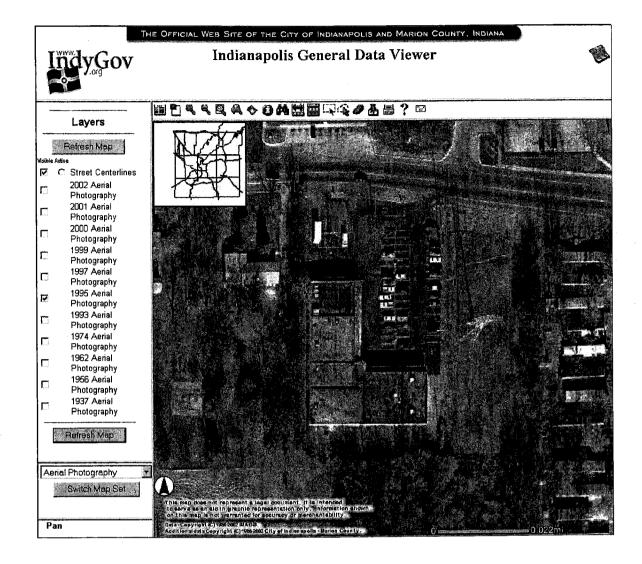


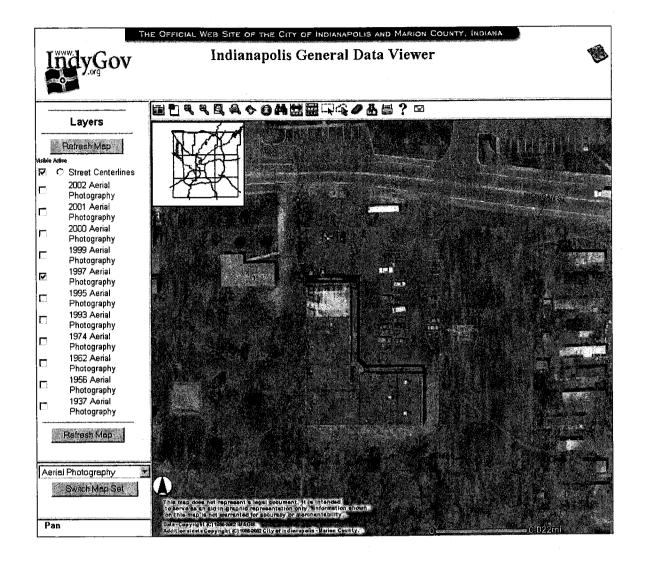


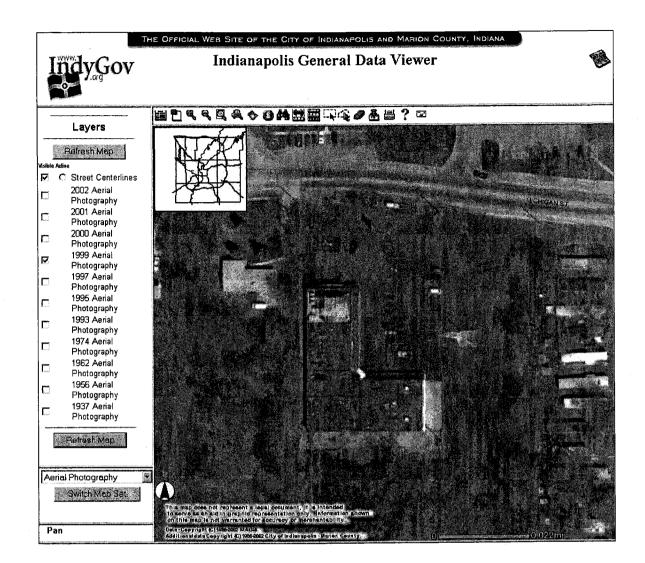


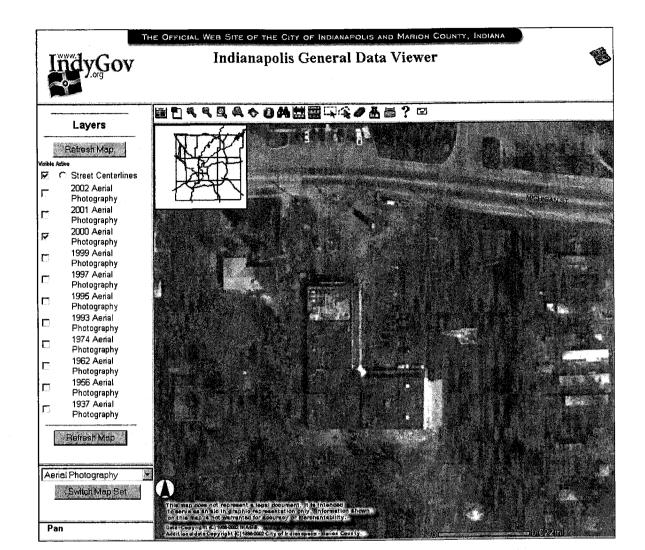


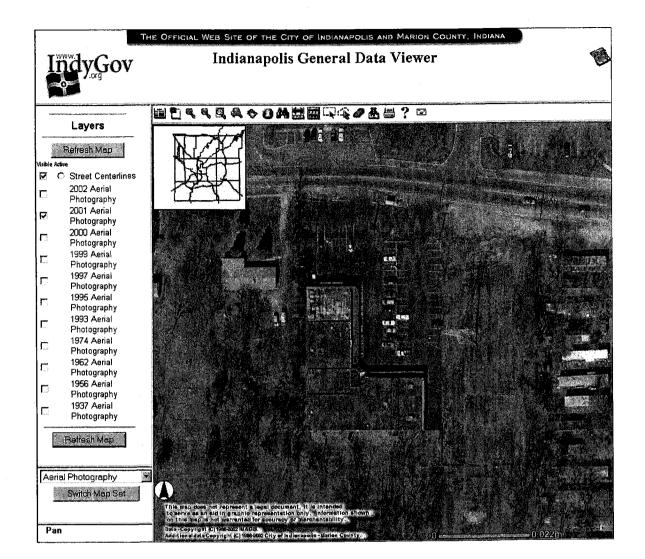


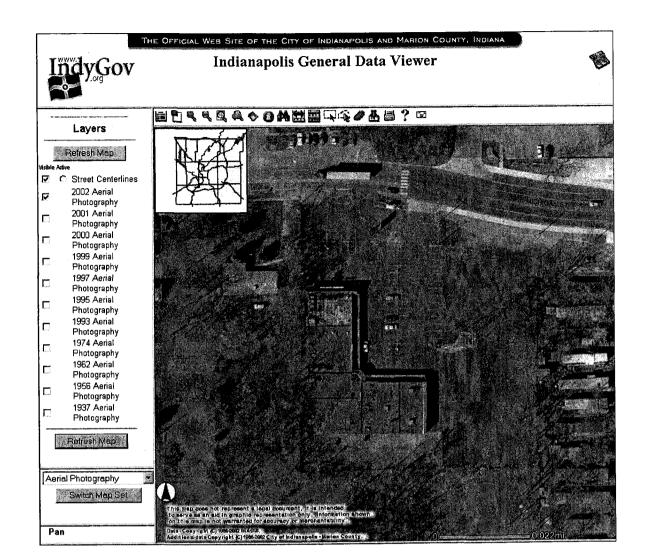












APPENDIX C

EDR Radius Map and Report

O:\M01046 Michigan Meadows Apts\Phase I Investigations\Phase I Plaza\Phase I_Plaza.doc

APPENDIX C

EDR Radius Map and Report



The EDR Radius Map with GeoCheck®

Michigan Plaza Shopping Center 3800/3801-3823 W Michigan St Indianapolis, IN 46222

Inquiry Number: 01073238.4r

October 29, 2003

The Source For Environmental Risk Management Data

3530 Post Road Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050 Fax: 1-800-231-6802 Internet: www.edrnet.com

FORM-ROG

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Government Records Searched/Data Currency Tracking		_ GR-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

3800/3801-3823 W MICHIGAN ST INDIANAPOLIS, IN 46222

COORDINATES

Latitude (North):

39.773580 - 39° 46′ 24.9″ 86.226390 - 86′ 13′ 35.0″

Longitude (West): 86.22639 Universal Tranverse Mercator: Zone 16 UTM X (Meters): 566254.8

Zone 16 566254.8

UTM Y (Meters): Elevation: 4402704.0 715 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: Source:

2439086-G2 INDIANAPOLIS WEST, IN

USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	 Database(s)	EPA ID
COCA COLA BOTTLING 3800 W MICHIGAN INDIANAPOLIS, IN 0	LUST UST	N/A
3800 WEST MICHIGAN STREET 3800 WEST MICHIGAN STREET INDIANAPOLIS, IN 0	IN Spills	N/A
ACCENT CLEANERS 3819 W MICHIGAN ST INDIANAPOLIS, IN 46222	RCRIS-SQG FINDS	IND133360693
MICHIGAN APARTMENTS 3800 W MICHIGAN ST INDIANAPOLIS IN 46222	FINDS	110012129678

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL National Priority List

Proposed NPL Proposed National Priority List Sites

CERCLIS....... Comprehensive Environmental Response, Compensation, and Liability Information

System

CERCLIS No Further Remedial Action Planned

RCRIS-TSD...... Resource Conservation and Recovery Information System RCRIS-LQG......Resource Conservation and Recovery Information System

ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF..... Permitted Solid Waste Facilities

FEDERAL ASTM SUPPLEMENTAL

CONSENT...... Superfund (CERCLA) Consent Decrees

Records Of Decision

MLTS..... Material Licensing Tracking System

MINES Mines Master Index File NPL Liens Federal Superfund Liens PADS......PCB Activity Database System DOD...... Department of Defense Sites

TRIS...... Toxic Chemical Release Inventory System

TSCA...... Toxic Substances Control Act SSTS...... Section 7 Tracking Systems

FTTS...... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, &

Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

BROWNFIELDS DATABASES

US BROWNFIELDS...... A Listing of Brownfields Sites

Brownfields Site List INST CONTROL...... Sites with Restrictions

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 08/13/2003 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir Map ID	Page
GMC ALLISON TRANSMISSION PLANT	4700 WEST 10TH STREET P	1/2 - 1 WNW 10	10

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 09/10/2003 has revealed that there are 2 RCRIS-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
GENERAL MOTORS PLT 10	700 N OLIN AVE	1/8 - 1/4 NNE	B5	7
FORMER ALLISON PLT 10	700 N OLIN AVE	1/8 - 1/4 NNE	B6	7

STATE ASTM STANDARD

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Management's List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model.

A review of the SHWS list, as provided by EDR, has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address		Dist / Dir	Map ID	Page
MARATHON ASHLAND PETROLE	UM SPE 1304 OLIN AVENUE		1/2 - 1 N	11	17

LUST: Lust List.

A review of the LUST list, as provided by EDR, and dated 09/24/2003 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SPEEDWAY/SM #6122	4155 W 10TH ST	1/4 - 1/2 NNW	9	9
Lower Elevation	Address	Dist / Dir	Map ID	Page
FLORAL PARK CEMETERY	3659 COSSEL RD	1/4 - 1/2 SE	8	8

VCP:Department of Environmental Management's current list of Voluntary Remediation Program sites that are no longer confidential.

A review of the VCP list, as provided by EDR, and dated 06/01/2003 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address		Dist / Dir	Map ID	Page
ALLISON ENGINE CO. (FORMER)	700 N. OLIN AVE.		1/8 - 1/4 NNE	7	8

BROWNFIELDS DATABASES

VCP:Department of Environmental Management's current list of Voluntary Remediation Program sites that are no longer confidential.

A review of the VCP list, as provided by EDR, and dated 06/01/2003 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

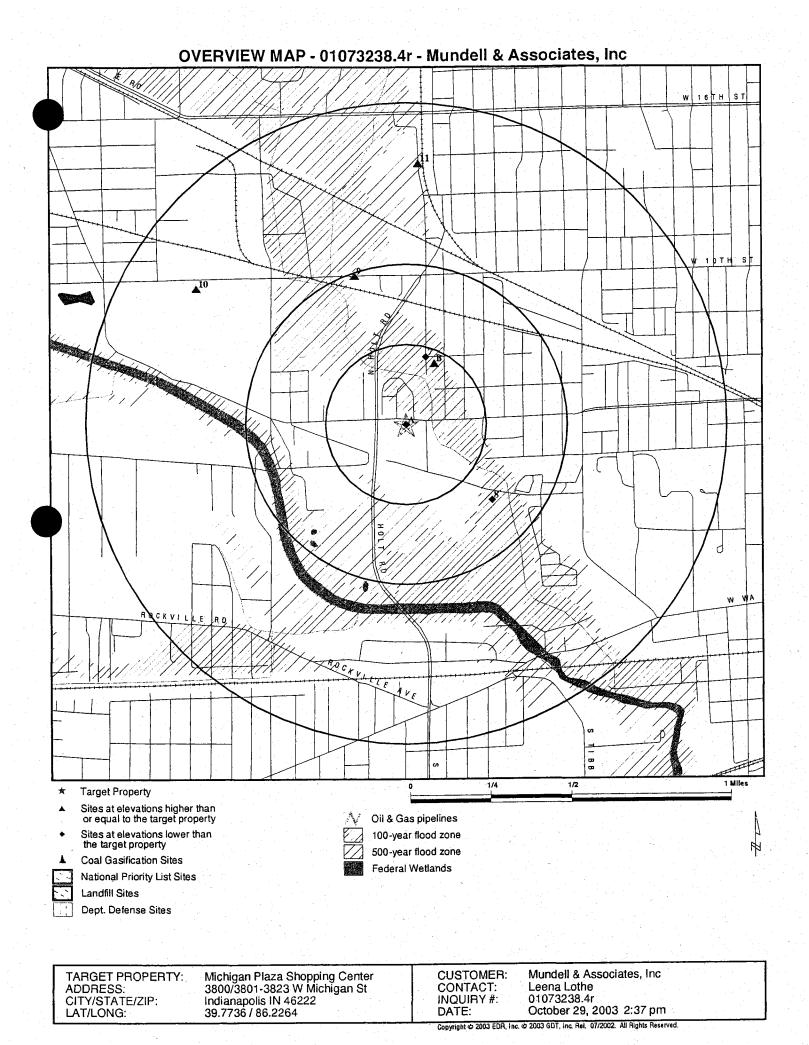
Lower Elevation	Address	Dist / Dir	Map ID	Page
ALLISON ENGINE CO. (FORMER)	700 N. OLIN AVE.	1/8 - 1/4 NNE	7	8

EDR PROPRIETARY HISTORICAL DATABASES

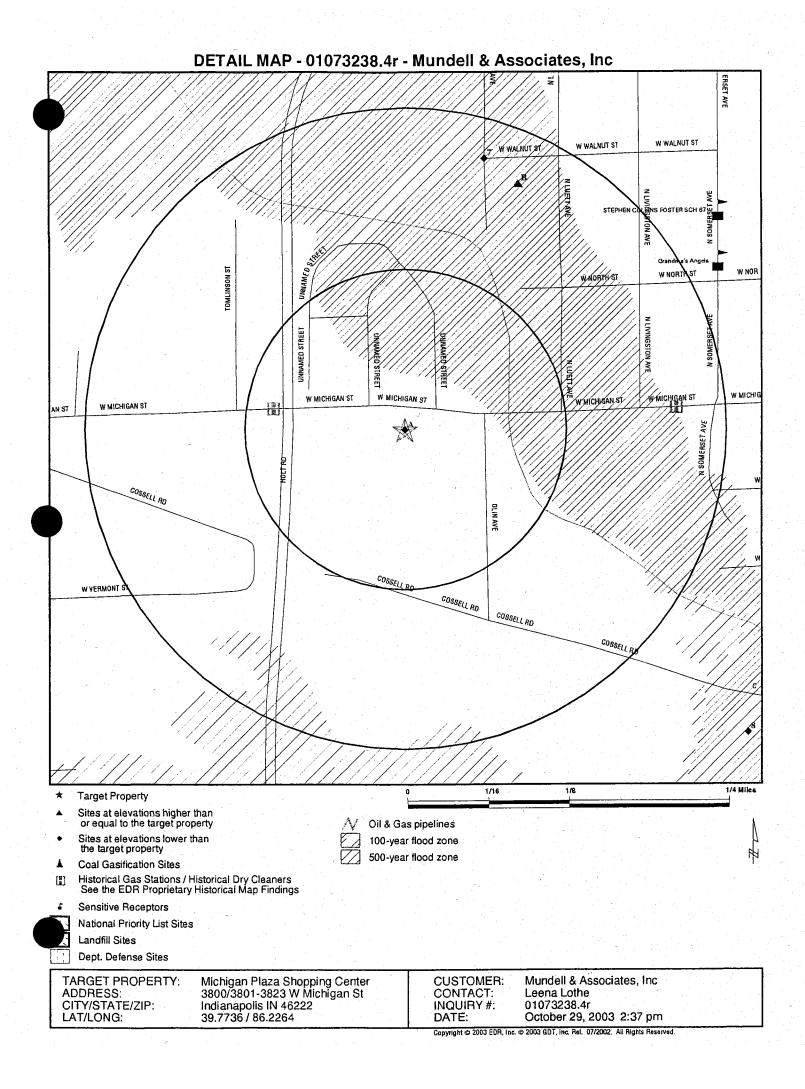
See the EDR Proprietary Historical Database Section for details

Due to poor or inadequate address information, the following sites were not mapped:

Site Name		Database(s)
MARATHON/ROCK ISLAND REFINERY AND TERMIN		SHWS
AVANTI		SHWS
TENTH & LYNHURST DUMP		CERC-NFRAP
INDIANA NATIONAL GUARD		UST
DEERING CLEANERS		VCP
SHELL BULK TERMINAL/DREW PROPERTY		VCP
BETWEEN 10TH AND MICHIGAN AT TIBBS		ERNS
EVANS DIVISON OF IL CEREAL MILLS 1750 WEST MICHIGAN	The second second	ERNS
GEORGTOWN SQUARE CENTER 4711 W. 30TH		ERNS
LILLY CORPORATE CENTER BLDG 25/46		ERNS
LILLY CORPORATE CENTER		ERNS
LILLY CORPERATE CENTER	The second of the second	ERNS
GM METAL FABRICATING DIV. INDIANAPOLIS METAL CENTER		TRIS



AMMH001139



MAP FINDINGS SUMMARY

	Target	Search Distance						Total
Database	Property	(Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
FEDERAL ASTM STANDARD								
	· .							
NPL Proposed NPL CERCLIS CERC-NFRAP CORRACTS		1.000 1.000 0.500 0.250 1.000 0.500	0 0 0 0 0	0 0 0 0 0	0 0 0 NR 0	0 0 NR NR 1 NR	NR NR NR NR NR	0 0 0 0
RCRIS-TSD RCRIS Lg. Quan. Gen. RCRIS Sm. Quan. Gen. ERNS	X [®]	0.250 0.250 TP	0 0 NR	0 2 NR	NR NR NR	NR NR NR	NR NR NR	0 2 0
STATE ASTM STANDARD								
State Haz. Waste State Landfill LUST UST VCP	X X	1.000 0.500 0.500 0.250 0.500	0 0 0 0	0 0 0 0 1	0 0 2 NR 0	1 NR NR NR NR	NR NR NR NR NR	1 0 2 0 1
FEDERAL ASTM SUPPLEME	NTAL				di Periling. Proposition			
							N.D.	
CONSENT ROD Delisted NPL FINDS	X	1.000 1.000 1.000 TP	0 0 0 NR	0 0 0 NR	0 0 0 NR	0 0 0 NR	NR NR NR NR	0 0 0 0
HMIRS MLTS MINES		TP TP 0.250	NR NR 0	NR NR 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
NPL Liens PADS DOD		TP TP 1.000	NR NR 0	NR NR 0	NR NR 0	NR NR 0	NR NR NR	0 0 0
US BROWNFIELDS RAATS		0.500 TP TP	0 NR NR	0 NR NR	0 NR NR	NR NR NR	NR NR NR	0 0 0
TRIS TSCA SSTS FTTS		TP TP TP	NR NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
STATE OR LOCAL ASTM SL	JPPLEMENTA							
	•	TC	A UTO	NID.	ND	NR	NR	0
IN Spills BULK	X	TP TP	NR NR	NR NR	NR NR	NR NR	NR	0
EDR PROPRIETARY HISTOR	RICAL DATAB	ASES						
Gas Stations/Dry Cleaners Coal Gas		0.250 1.000	7	4 0	NR 0	NR 0	NR NR	11 0

MAP FINDINGS SUMMARY

Database		Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>> 1</u>	Total Plotted
BROWNFIELDS DAT	ABASES								
US BROWNFIELDS Brownfields INST CONTROL VCP	3		0.500 0.500 0.250 0.500	0 0 0 0	0 0 0 1	0 0 NR 0	NR NR NR NR	NR NR NR NR	0 0 0 1

NOTES:

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation

Site

Database(s)

EDR ID Number EPA ID Number

Α1 Target **Property** **COCA COLA BOTTLING** 3800 W MICHIGAN INDIANAPOLIS, IN 0

LUST UST

1000762719 N/A

Site 1 of 4 in cluster A

Actual: 714 ft.

LUST:

Facility ID:

20068

Owner Name:

Coca Cola Bottling

Incident Number: 198802048 Priority:

Low

Affected Area:

Soil Active

Description:

UST:

Facility ID:

20068 0

Tank Number: Tank Status:

Not reported

Install Date:

Closure Date: Owner Id:

Not reported 12000

Company Name: Unknown

Mailing Address: Not reported

IN 0

A2

3800 WEST MICHIGAN STREET Target

Property

INDIANAPOLIS, IN 0

S105274365 IN Spills

N/A

Site 2 of 4 in cluster A

Spill Type:

Actual: 714 ft.

SPILL:

Facility ID:

200201143

Incident Date:

1/22/2002 14:00:00

Spill

Spill Source:

Other

Contained:

Not reported

Water Affected: Fish Killed:

Little Eagle Creek

Not reported

PENDING ADDITIONAL REPORT

Enforcement: Spilled Amount: 3.00

Recovered Amnt: Not reported

Material:

Domestic sewage

Cleanup Duration:

Public Intake:

Not reported Not reported Units:

Report Date:

Area Affected:

Wtr Supply Affetd:

Gallons

Units:

Not reported

undetermined

1/22/2002 16:30:09

АЗ **Target** **ACCENT CLEANERS** 3819 W MICHIGAN ST

Property

INDIANAPOLIS, IN 46222

Site 3 of 4 in cluster A

Actual: 714 ft.

RCRIS-SQG 1004699100 IND133360693 **FINDS**

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation Site

Database(s)

EDR ID Number **EPA ID Number**

1004699100

ACCENT CLEANERS (Continued)

RCRIS:

Owner:

CLEVERLY ROBERT

(312) 555-1212

EPA ID:

IND133360693

Contact:

Not reported

Classification:

Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

Α4 Target Property **MICHIGAN APARTMENTS** 3800 W MICHIGAN ST **INDIANAPOLIS, IN 46222**

FINDS

RCRIS-SQG

1004499836 110012129678

1001196141

INR000010926

Site 4 of 4 in cluster A

Actual: 714 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

State Systems (STATE)

B5 NNE 1/8-1/4 **GENERAL MOTORS PLT 10**

700 N OLIN AVE

INDIANAPOLIS, IN 46221

1096 ft.

Site 1 of 2 in cluster B

Relative: Equal

RCRIS:

Owner:

ALLISON ENGINE CO (317) 230-6095

Actual: 715 ft.

EPA ID:

INR000010926

Contact:

Not reported

Classification:

Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

RCRIS-SQG **FINDS**

1000110525 IND000806810

TC01073238.4r Page 7

В6

NNE 1/8-1/4 **FORMER ALLISON PLT 10** 700 N OLIN AVE

INDIANAPOLIS, IN 46206

1112 ft.

Site 2 of 2 in cluster B

Relative: Equal

Actual: 715 ft.

Map ID Direction Distance Distance (ft.) Site Elevation

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

1000110525

FORMER ALLISON PLT 10 (Continued).

RCRIS:

Owner:

GENUINE PARTS CO

(770) 858-2564

EPA ID:

IND000806810

Contact:

Not reported

Classification:

Small Quantity Generator

TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste D007

Quantity (Lbs) 9963000.00 <u>Waste</u>

Quantity (Lbs) 9963000.00

D008

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Biennial Reporting System (BRS)

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

NNE

ALLISON ENGINE CO. (FORMER)

1/8-1/4

700 N. OLIN AVE. INDIANAPOLIS, IN

1160 ft.

Relative: Lower

IN VCP:

VRP Id Number:

6991004

Applicant Name:

Genuine Parts Company Wieringa

Actual: 714 ft.

Project Manager: Cert of Completion Issued:

Not reported Not reported

Convenant Not To Sue Issued: Status:

Active

8

FLORAL PARK CEMETERY

SE 1/4-1/2 3659 COSSEL RD

INDIANAPOLIS, IN 46222

1884 ft.

Relative:

Lower

LUST:

Facility ID:

14038

Owner Name:

Floral Park Cemetery

Actual: 702 ft.

Incident Number: 199902503 Priority:

Affected Area: Description:

Low Soil

Active

UST:

Facility ID:

14038

Tank Number:

Tank Status:

PERMANENTLY OUT OF SERVICE

Install Date:

1/25/99 0:00 Closure Date:

Owner Id:

5620

Company Name: Floral Park Cemetery Association

Mailing Address: 2702 Kessler Blvd W Dr

S105202299 N/A

1000514185 LUST

UST

N/A

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation Site

Database(s)

UST

LUST

EDR ID Number EPA ID Number

1000514185

U001079367

N/A

FLORAL PARK CEMETERY (Continued)

Indianapolis, IN 46208

WMM

SPEEDWAY/SM #6122 4155 W 10TH ST

1/4-1/2

INDIANAPOLIS, IN 46222

2589 ft.

Relative: Higher

LUST:

Facility ID:

Owner Name: United

Actual: 720 ft.

Incident Number: 198912509 Priority: Low Soil

6663

Affected Area: Discontinued Description:

UST:

6663 Facility ID:

Tank Number:

Tank Status:

Install Date:

CURRENTLY IN USE 08/01/90

Closure Date:

Not reported 107

Owner Id:

Company Name: Speedway SuperAmerica LLC

Mailing Address: Po Box 1500

Springfield, OH 45501

Facility ID:

6663

Tank Number:

CURRENTLY IN USE Tank Status:

08/01/90 Install Date: Not reported Closure Date: 107 Owner Id:

Speedway SuperAmerica LLC Company Name:

Mailing Address: Po Box 1500

Springfield, OH 45501

Facility ID:

Tank Number:

Tank Status:

8 **CURRENTLY IN USE** 08/01/90

107

6663

Install Date: Closure Date:

Not reported

Owner Id:

Company Name: Speedway SuperAmerica LLC

Mailing Address: Po Box 1500

Springfield, OH 45501

Facility ID:

6663

Tank Number: Tank Status:

CURRENTLY IN USE

Install Date:

08/01/90

Closure Date:

Not reported 107

Owner Id:

Company Name: Speedway SuperAmerica LLC

Mailing Address: Po Box 1500

Springfield, OH 45501

Facility ID:

6663

Tank Number:

Map ID Direction Distance Distance (ft.) Elevation

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

U001079367

SPEEDWAY/SM #6122 (Continued)

Tank Status:

PERMANENTLY OUT OF SERVICE

Install Date:

Closure Date:

8/1/90.0:00

Owner Id:

107

Company Name: Speedway SuperAmerica LLC

Mailing Address: Po Box 1500

Springfield, OH 45501

Facility ID:

6663

Tank Number: Tank Status:

PERMANENTLY OUT OF SERVICE

Install Date: Closure Date:

8/1/90 0:00

Owner Id:

107

Company Name: Speedway SuperAmerica LLC

Mailing Address: Po Box 1500

Springfield, OH 45501

Facility ID:

6663

Tank Number:

Tank Status:

PERMANENTLY OUT OF SERVICE

Install Date: Closure Date:

8/1/90 0:00

Owner Id:

107

Company Name:

Speedway SuperAmerica LLC

Mailing Address: Po Box 1500

Springfield, OH 45501

Facility ID:

6663

Tank Number:

PERMANENTLY OUT OF SERVICE Tank Status:

Install Date:

8/1/90 0:00

Closure Date: Owner Id:

107

Company Name: Speedway SuperAmerica LLC Mailing Address:

Po Box 1500

Springfield, OH 45501

Facility ID:

6663

Tank Number:

Tank Status:

PERMANENTLY OUT OF SERVICE

Install Date:

Closure Date:

8/1/90 0:00 107

Owner Id:

Speedway SuperAmerica LLC Company Name:

Mailing Address: Po Box 1500

Springfield, OH 45501

10 WNW 1/2-1 4115 ft. GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 4700 WEST 10TH STREET PO BOX 894 INDIANAPOLIS, IN 46206

Relative: Higher

Actual: 724 ft.

PADS RCRIS-LQG **FINDS** CORRACTS **CERC-NFRAP**

1000993997 IND006413348

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation

Database(s)

Federal Facility: Not a Federal Facility

NPL Status:

Completed:

Completed:

Completed:

Completed:

Not on the NPL

08/22/1985

10/10/1986

09/30/1993

12/12/1995

EDR ID Number EPA ID Number

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

CERCLIS-NFRAP Classification Data:

Site Incident CategorNot reported

Non NPL Code: Ownership Status:

Other

DR

CERCLIS-NFRAP Assessment History: DISCOVERY

Assessment: Assessment:

PRELIMINARY ASSESSMENT PRELIMINARY ASSESSMENT

Assessment:

ARCHIVE SITE Assessment: CERCLIS-NFRAP Alias Name(s):

DETROIT DIESEL ALLISON DIV GM CORP

DETROIT DIESEL (SIA)

ALLISON TRANSMISSION-GM

CORRACTS Data:

EPA Id:

IND006413348

ENTIRE FACILITY

Region:

Area Name: Original Scheduled Date:

Not reported

Actual Date:

09/30/1993

Corrective Action:

CA075ME - CA Prioritization, Facility or area was assigned a medium corrective

action priority

2002 NAICS Title:

Railroad Rolling Stock Manufacturing

Mechanical Power Transmission Equipment Manufacturing

All Other Motor Vehicle Parts Manufacturing Aircraft Engine and Engine Parts Manufacturing

EPA Id:

IND006413348

Region: Area Name:

ENTIRE FACILITY

Original Scheduled Date:

Not reported

Actual Date:

03/31/1994

Corrective Action:

CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and

administrative considerations

2002 NAICS Title:

Railroad Rolling Stock Manufacturing

Mechanical Power Transmission Equipment Manufacturing

All Other Motor Vehicle Parts Manufacturing Aircraft Engine and Engine Parts Manufacturing

RCRIS Corrective Action Summary:

Event:

Stabilization Measures Evaluation, This facility is amenable to stabilization

activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and

administrative considerations.

Event Date:

03/31/1994

Event:

CA Prioritization, Facility or area was assigned a medium corrective action

priority.

Event Date:

09/30/1993

Map ID Direction Distance Distance (ft.) Elevation Site

Database(s)

EDR ID Number **EPA ID Number**

1000993997

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

RCRIS:

Owner:

GMC DETROIT DIESEL ALLISON DIV PLT 3

(317) 242-4467

EPA ID:

IND006413348

Contact:

R-SEWALL (317) 242-2366

Classification:

Large Quantity Generator

TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	<u>Waste</u>	Quantity (Lbs)
D001	6506.00	D002	25335.00
D005	582.00	D007	43688.00
D008	13383.00	D009	76.00
D025	68.00	F001	37664.00
F006	27980.00	F007	18520.00
F008	807.00	F009	18520.00
U002	293.00	U007	215.00
U044	293.00	U226	582.00
11230	293.00	100	

Violation Status: Violations exist

Regulation Violated:

Area of Violation:

Date Violation Determined: Actual Date Achieved Compliance:

Enforcement Action:

Enforcement Action Date:

Penalty Type:

Regulation Violated:

Area of Violation:

Date Violation Determined:

Actual Date Achieved Compliance:

Enforcement Action:

Enforcement Action Date:

Penalty Type:

Regulation Violated: Area of Violation:

Date Violation Determined:

Actual Date Achieved Compliance:

Enforcement Action: Enforcement Action Date:

Penalty Type:

Regulation Violated:

Area of Violation:

Date Violation Determined: Actual Date Achieved Compliance:

Enforcement Action: Enforcement Action Date:

Penalty Type:

Enforcement Action:

262.34a2

GENERATOR-PRE-TRANSPORT REQUIREMENTS

07/25/2002 02/28/2003

WRITTEN INFORMAL

10/03/2002 Not reported

265.193 TSD-TANKS REQUIREMENTS

07/25/2002 02/28/2003

WRITTEN INFORMAL

10/03/2002 Not reported

262.34a3

GENERATOR-PRE-TRANSPORT REQUIREMENTS

07/25/2002 02/28/2003

WRITTEN INFORMAL

10/03/2002 Not reported

268.7

TSD-LAND BAN REQUIREMENTS

12/04/2000 07/17/2002

WRITTEN INFORMAL

11/29/2001

Final Monetary Penalty

FINAL 3008(A) COMPLIANCE ORDER

Direction Distance Distance (ft.) Elevation

Map ID

Database(s)

EDR ID Number EPA ID Number

1000993997

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

Enforcement Action Date:

05/16/2002

Penalty Type:

Final Monetary Penalty

Regulation Violated:

262.11

Area of Violation:

GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined: Actual Date Achieved Compliance: 12/04/2000 07/17/2002

Enforcement Action: Enforcement Action Date: WRITTEN INFORMAL

Penalty Type:

11/29/2001

Final Monetary Penalty

Enforcement Action:

FINAL 3008(A) COMPLIANCE ORDER

Enforcement Action Date:

05/16/2002

Penalty Type:

Final Monetary Penalty

Regulation Violated:

262.20

Area of Violation:

GENERATOR-MANIFEST REQUIREMENTS

Date Violation Determined:

12/04/2000

Actual Date Achieved Compliance:

07/17/2002

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

11/29/2001

Penalty Type:

Enforcement Action:

Final Monetary Penalty

FINAL 3008(A) COMPLIANCE ORDER

Enforcement Action Date:

05/16/2002 Final Monetary Penalty

Penalty Type:

Regulation Violated: Area of Violation:

GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined: Actual Date Achieved Compliance: 05/20/1999 02/03/2000

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

06/09/1999

Penalty Type:

Not reported

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date: Penalty Type:

09/13/1999 Not reported

Regulation Violated:

262.34a3

Area of Violation:

GENERATOR-PRE-TRANSPORT REQUIREMENTS

Date Violation Determined:

05/20/1999

Actual Date Achieved Compliance:

02/03/2000

Enforcement Action:

WRITTEN INFORMAL

06/09/1999

Enforcement Action Date:

Penalty Type:

Not reported

Enforcement Action:

WRITTEN INFORMAL 09/13/1999

Enforcement Action Date:

Not reported

Penalty Type:

Regulation Violated:

279.22c

Area of Violation:

INUOA

Date Violation Determined:

05/20/1999 02/03/2000

Actual Date Achieved Compliance:

WRITTEN INFORMAL

Enforcement Action:

06/09/1999

Enforcement Action Date: Penalty Type:

Not reported

Enforcement Action:

WRITTEN INFORMAL

Map ID Direction Distance Distance (ft.) Elevation Site

Database(s)

EDR ID Number EPA ID Number

1000993997

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

Enforcement Action Date:

09/13/1999 Not reported

Penalty Type: Regulation Violated: 273.14 Area of Violation: **INUWR** 05/20/1999 Date Violation Determined: Actual Date Achieved Compliance: 02/03/2000

Enforcement Action: WRITTEN INFORMAL

Enforcement Action Date: 06/09/1999 Penalty Type: Not reported

WRITTEN INFORMAL Enforcement Action: 09/13/1999 **Enforcement Action Date:**

Penalty Type: Not reported Regulation Violated: 262.34/265.16

GENERATOR-PRE-TRANSPORT REQUIREMENTS Area of Violation:

Date Violation Determined: 05/20/1999 02/03/2000 Actual Date Achieved Compliance:

WRITTEN INFORMAL **Enforcement Action:** Enforcement Action Date: 06/09/1999

Penalty Type: WRITTEN INFORMAL Enforcement Action:

Enforcement Action Date: 09/13/1999 Not reported Penalty Type:

262.34b Regulation Violated:

GENERATOR-PRE-TRANSPORT REQUIREMENTS Area of Violation: 05/20/1999

Not reported

Date Violation Determined: Actual Date Achieved Compliance: 02/03/2000

Enforcement Action: WRITTEN INFORMAL 06/09/1999 Enforcement Action Date:

Penalty Type: Not reported

WRITTEN INFORMAL Enforcement Action: 09/13/1999 Enforcement Action Date:

Penalty Type: Not reported 262.34/265.174 Regulation Violated:

GENERATOR-PRE-TRANSPORT REQUIREMENTS Area of Violation:

Date Violation Determined: 05/20/1999 Actual Date Achieved Compliance: 02/03/2000

WRITTEN INFORMAL **Enforcement Action: Enforcement Action Date:** 06/09/1999 Penalty Type: Not reported

WRITTEN INFORMAL Enforcement Action: **Enforcement Action Date:** 09/13/1999

Not reported Penalty Type: Not reported Regulation Violated:

GENERATOR-GENERAL REQUIREMENTS Area of Violation:

Date Violation Determined: 12/18/1996 Actual Date Achieved Compliance: 05/16/1997

Regulation Violated: Not reported

GENERATOR-PRE-TRANSPORT REQUIREMENTS Area of Violation: Date Violation Determined: 12/18/1996 Actual Date Achieved Compliance: 05/16/1997

Map ID Direction Distance Distance (ft.) Site Elevation

Database(s)

EDR ID Number EPA ID Number

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

Regulation Violated:

Not reported

Area of Violation:

GENERATOR-PRE-TRANSPORT REQUIREMENTS 12/18/1996

Date Violation Determined: Actual Date Achieved Compliance:

05/16/1997

Regulation Violated:

Not reported

Area of Violation:

GENERATOR-PRE-TRANSPORT REQUIREMENTS

Date Violation Determined:

12/18/1996

Actual Date Achieved Compliance:

05/16/1997

Regulation Violated: Area of Violation:

Not reported

Date Violation Determined:

GENERATOR-PRE-TRANSPORT REQUIREMENTS 02/28/1992

Actual Date Achieved Compliance:

04/30/1993

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date: Penalty Type:

09/16/1992 Not reported

Regulation Violated:

Area of Violation:

Not reported GENERATOR-PRE-TRANSPORT REQUIREMENTS

Date Violation Determined:

02/28/1992

Actual Date Achieved Compliance:

04/30/1993

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date: Penalty Type:

09/16/1992 Not reported

Regulation Violated:

Not reported

Area of Violation:

GENERATOR-PRE-TRANSPORT REQUIREMENTS

Date Violation Determined:

02/28/1992 04/30/1993

Actual Date Achieved Compliance: Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

09/16/1992

Penalty Type:

Not reported

Regulation Violated: Area of Violation:

Not reported TSD-LAND BAN REQUIREMENTS

Date Violation Determined:

02/28/1992

Actual Date Achieved Compliance:

04/30/1993

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

09/16/1992

Penalty Type:

Regulation Violated:

Not reported

Not reported

Area of Violation:

GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

Date Violation Determined:

09/11/1985

Actual Date Achieved Compliance:

10/10/1986

WRITTEN INFORMAL

Enforcement Action: Enforcement Action Date:

11/25/1985

Penalty Type:

Not reported

Regulation Violated:

Not reported

Area of Violation:

GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

Date Violation Determined:

09/11/1985

10/10/1986

Enforcement Action:

Actual Date Achieved Compliance:

WRITTEN INFORMAL

Enforcement Action Date:

11/25/1985

Penalty Type:

Not reported

Map ID Direction Distance Distance (ft.) Site Elevation

Database(s)

EDR ID Number EPA ID Number

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

There are 32 violation record(s) repor	ted at this site.	
There are 23 violation record(s) repor	icu ai uno silo.	Date of
Evaluation	Area of Violation	Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20030228
Compliance Evaluation inspection	TSD-TANKS REQUIREMENTS	20030228
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20030228
Compliance Schedule Evaluation	TSD-LAND BAN REQUIREMENTS	20020717
Compliance Schedule Evaluation	GENERATOR-GENERAL REQUIREMENTS	20020717
	GENERATOR-MANIFEST REQUIREMENTS	20020717
Other Evaluation	TSD-LAND BAN REQUIREMENTS	20020717
Other Evaluation	GENERATOR-GENERAL REQUIREMENTS	20020717
	GENERATOR-MANIFEST REQUIREMENTS	20020717
O Illand Cahadula Evaluation	GENERATOR-GENERAL REQUIREMENTS	20000203
Compliance Schedule Evaluation	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	INUWR	20000203
	INUOA	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
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Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	INUWR	20000203
	INUOA	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	GENERATOR-FRE-TRANSFORT REGULTEMENTS	19970516
Compliance Schedule Evaluation	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSFORT REQUIREMENTS	19970516
Compliance Schedule Evaluation	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REGULATION GENERATOR-GENERAL REQUIREMENTS	19970516
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930430
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930430
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930430
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930430
	TSD-LAND BAN REQUIREMENTS	19861010
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19861010
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19001010

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

Other Pertinent Environmental Activity Identified at Site:

AIRS Facility System (AIRS/AFS)

Biennial Reporting System (BRS)

Facility Registry System (FRS)

ICIS

National Compliance Database (NCDB)

National Emissions Trends (NET)

Map ID Direction Distance Distance (ft.) Elevation Site

Database(s)

RCRIS-SQG

FINDS

-SHWS

EDR ID Number **EPA ID Number**

1000993997

1000993993

IND005417126

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

Resource Conservation and Recovery Act Information system (RCRAINFO)

State Systems (STATE)

Toxic Chemical Release Inventory System (TRIS)

11

MARATHON ASHLAND PETROLEUM SPEEDWAY

North 1/2-1

1304 OLIN AVENUE INDIANAPOLIS, IN 46222

4300 ft.

Relative: Higher

RCRIS: Owner:

NAME NOT REPORTED

(312) 555-1212

Actual: 730 ft.

EPA ID:

IND005417126

Contact:

PETER A REYNOLDS JR

(419) 421-2336

Classification: Small Quantity Generator

TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste

Quantity (Lbs)

4340.00 D001

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AIRS Facility System (AIRS/AFS)

Facility Registry System (FRS)

NEL

Permit Compliance System (PCS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

State Systems (STATE)

Toxic Chemical Release Inventory System (TRIS)

SHWS:

Facility Id:

Score:

0000101 21.04

April 1992 Score Date:

Contaminant TypePetroleum and Volatile Organic Compounds (VOCs)

Media Affected:

Soil and groundwater May 2002

Last Date: Facility Status:

STATUS: The Speedway terminal site is a petroleum bulk storage and pipelineterminal operated by Marathon Ashland Petroleum. During an onsite soil and groundwaterinvestigation, petroleum free product was found to be impacting the groundwater. Multiple subsurface investigations were conducted to determine the extent of free productas well as adsorbed and dissolved phase organic compounds. The contaminants of concern were determined to be migrating offsite, and multiple recovery wells were placedto treat the groundwater and collect free product. A soil vapor extraction system is beingused to remove volatile organic compounds from the soil and groundwater. Significantreductions in free product thickness are currently being found. The soil vapor extractionsystem has adequately treated the volatile organic compounds to below cleanup goals. Thesite currently remains in the operation and maintenance stage. Investigations are ongoingto determine locations of source areas and mitigate these sources. The IDEM isnegotiating additional investigation needs with Marathon.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s)

EDR ID Number EPA ID Number

MARATHON ASHLAND PETROLEUM SPEEDWAY (Continued)

1000993993

MAP FINDINGS - EDR PROPRIETARY HISTORICAL DATABASES

	ERS ERS ERVE ERVE
	S AND DY Self Serve S-SELF S S-SELF S S-SELF S S-SELF S S-SELF S Repairing Repairing Repairing
TYPE	CLEANERS AND DYERS Cleaners CLEANERS AND DYERS Laundries-Self Serve LAUNDRIES-SELF SERVE LAUNDRIES-SELF SERVE Automobile Repairing Automobile Repairing Automobile Repairing
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СІТУ	INDIANAPOLIS
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SS	ACCENT CLEANERS ACCENT DRY CLEANING AND HAZA COIN LNDRY MICHIGAN PLAZA COIN LNDRY MICHIGAN PLAZA COIN LNDRY MICHIGAN PLAZA COIN LNDRY MICHIGAN PLAZA COIN LNDRY AUTO HAUS INCORPORATED AUTO HAUS INCORPORATED AUTOHAUS CARL MERKLE INC AUTOHAUS CARL MERKLE INC AUTOHAUS CARL MERKLE INC REAR CARL S VOLKSWAGEN & PORSCHE REPAIR SHOP REAR, 3663 W MICHIGAN ST AUTOHAUS CARL MERKLE INC REAR
ADDRESS	3819 V 3819 W 3819 W 3823 W 3823 V 3823 V 363 W 3663 W 3663 W
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YEAR NAME	1973 / 1991 / 1986 / 1991 1986 1978 1973 1990 1980 1975 1975 1975 1976 19

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

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Database(s)	CERC-NFRAP VCP VCP SHWS ERNS ERNS ERNS ERNS ERNS ERNS ERNS ERN
diZ	46222
Site Address	6137 SR 136 2121 / 2101 W. MICHIGAN ST. 86TH AND GEORGETOWN ROAD BETWEEN 10TH AND MICHIGAN AT TIBBS EVANS DIVISON OF IL CEREAL MILLS 1750 WEST MICHIGAN GEORGTOWN SQUARE CENTER 4711 W. 30TH SOUTH HARRIS AVENUE HOLT RD LILLY CORPORATE CENTER LILLY CORPORATE CENTER 240 WHITE RIVER PKY.
Site Name	003870950 TENTH & LYNHURST DUMP 1105202373 DEERING CLEANERS 1105202549 SHELL BULK TERMINAL/DREW PROPERTY 1105678278 MARATHON/ROCK ISLAND REFINERY AND TERMIN 19067866 BETWEEN 10TH AND MICHIGAN AT TIBBS 14363834 EVANS DIVISON OF IL CEREAL MILLS 1750 WEST 1404825607 AVANTI 14019508 INDIANA NATIONAL GUARD 161LLY CORPORATE CENTER BLDG 25/46 161LLY CORPORATE CENTER 161LLY CORPERATE CENTER CENTER 161LLY CORPERATE CENTER CENTER 161LLY CORPERATE CENTER CENTER CENTER CENTER CENTER CENTER CEN
EDR ID	1003870950 \$105202373 \$105202549 \$105678278 99607866 94363834 93338675 \$104825607 U000195108 96476064 91239690 91204178
CİK	INDIANAPOLIS

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D005	BARIUM
D007	CHROMIUM
D008	
D009	MERCURY
D025	P-CRESOL .
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE, HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F008	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F009	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
U002	ACETONE (I)

EPA Waste Codes Addendum

Code	Description		
U002	2-PROPANONE (I)		
U007	ACRYLAMIDE		
U007	2-PROPENAMIDE		
U044	CHLOROFORM		
U044	METHANE, TRICHLORO-		
U226	ETHANE, 1,1,1-TRICHLORO-		
U226	METHYL CHLOROFORM		
U239	BENZENE, DIMETHYL- (I,T)		
U239	XYLENE (I)		

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/22/03 Date Made Active at EDR: 08/26/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/04/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 08/04/03

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

FPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA Telephone: N/A

> Date of Government Version: 06/10/03 Date Made Active at EDR: 08/26/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/04/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 08/04/03

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL

Date of Government Version: 09/11/03 Date Made Active at EDR: 10/29/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/03

Elapsed ASTM days: 35

Date of Last EDR Contact: 09/24/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 09/11/03 Date Made Active at EDR: 10/29/03 Database Release Frequency: Quarterly Date of Data Arrival at EDR: 09/24/03 Elapsed ASTM days: 35 Date of Last EDR Contact: 09/24/03

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/13/03 Date Made Active at EDR: 09/18/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/22/03

Elapsed ASTM days: 27

Date of Last EDR Contact: 09/08/03

RCRIS: Resource Conservation and Recovery Information System

Source: EPA

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/03 Date Made Active at EDR: 10/01/03 Database Release Frequency: Varies

Date of Data Arrival at EDR: 09/11/03 Elapsed ASTM days: 20 Date of Last EDR Contact: 09/11/03

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/02 Date Made Active at EDR: 02/03/03 Database Release Frequency: Annually Date of Data Arrival at EDR: 01/27/03 Elapsed ASTM days: 7 Date of Last EDR Contact: 10/27/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01 Database Release Frequency: Biennially Date of Last EDR Contact: 10/01/03 Date of Next Scheduled EDR Contact: 12/15/03

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A Database Release Frequency: Varies Date of Last EDR Contact: N/A Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical

and health information to aid in the cleanup.

Date of Government Version: 07/09/03

Database Release Frequency: Annually

Date of Last EDR Contact: 10/08/03

Date of Next Scheduled EDR Contact: 01/05/04

DELISTED NPL: National Priority List Deletions

Source: EPA Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425 (e), sites may be deleted from the

NPL where no further response is appropriate.

Date of Government Version: 07/22/03 Database Release Frequency: Quarterly Date of Last EDR Contact: 08/04/03

Date of Next Scheduled EDR Contact: 11/03/03

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/25/03 Database Release Frequency: Quarterly Date of Last EDR Contact: 10/07/03 Date of Next Scheduled EDR Contact: 01/05/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/03 Database Release Frequency: Annually Date of Last EDR Contact: 10/23/03

Date of Next Scheduled EDR Contact: 01/19/04

MLTS: Material Licensing Tracking System Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/16/03 Database Release Frequency: Quarterly Date of Last EDR Contact: 10/07/03 Date of Next Scheduled EDR Contact: 01/05/04

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 08/27/03 Database Release Frequency: Semi-Annually Date of Last EDR Contact: 10/01/03 Date of Next Scheduled EDR Contact: 12/29/03

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/25/03

Date of Next Scheduled EDR Contact: 11/24/03

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers

of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/30/03

Database Release Frequency: Annually

Date of Last EDR Contact: 08/13/03

Date of Next Scheduled EDR Contact: 11/10/03

DOD: Department of Defense Sites

Source: USGS

Telephone: 703-648-5920

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 04/01/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/15/03

Date of Next Scheduled EDR Contact: 11/10/03

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA SELECTS BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/15/03 Database Release Frequency: Semi-Annually Date of Last EDR Contact: 09/15/03 Date of Next Scheduled EDR Contact: 12/15/03

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95 Database Release Frequency: No Update Planned Date of Last EDR Contact: 09/08/03 Date of Next Scheduled EDR Contact: 12/08/03

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01 Database Release Frequency: Annually Date of Last EDR Contact: 09/23/03 Date of Next Scheduled EDR Contact: 12/22/03

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/98 Database Release Frequency: Every 4 Years Date of Last EDR Contact: 09/02/03

Date of Next Scheduled EDR Contact: 12/08/03

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 08/21/03 Database Release Frequency: Quarterly Date of Last EDR Contact: 09/23/03

Date of Next Scheduled EDR Contact: 12/22/03

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01 Database Release Frequency: Annually Date of Last EDR Contact: 10/20/03 Date of Next Scheduled EDR Contact: 01/19/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/21/03 Database Release Frequency: Quarterly Date of Last EDR Contact: 09/23/03 Date of Next Scheduled EDR Contact: 12/22/03

STATE OF INDIANA ASTM STANDARD RECORDS

SHWS: List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

Source: Department of Environmental Management

Telephone: 317-308-3052

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/01/02 Date Made Active at EDR: 01/20/03 Database Release Frequency: Annually Date of Data Arrival at EDR: 01/06/03

Elapsed ASTM days: 14

Date of Last EDR Contact: 10/03/03

SWF/LF: Permitted Solid Waste Facilities

Source: Department of Environmental Management

Telephone: 317-232-0066

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/11/03 Date Made Active at EDR: 08/13/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/23/03

Elapsed ASTM days: 21

Date of Last EDR Contact: 10/15/03

LUST: Lust Leaking Underground Storage Tank List Source: Department of Environmental Management

Telephone: 317-308-3008

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/24/03 Date Made Active at EDR: 10/09/03 Database Release Frequency: Annually Date of Data Arrival at EDR: 10/01/03 Elapsed ASTM days: 8 Date of Last EDR Contact: 10/01/03

UST: Indiana Registered Underground Storage Tanks Source: Department of Environmental Management

Telephone: 317-308-3008

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/24/03 Date Made Active at EDR: 10/16/03 Database Release Frequency: Quarterly Date of Data Arrival at EDR: 10/01/03 Elapsed ASTM days: 15 Date of Last EDR Contact: 10/01/03

VCP: Voluntary Remediation Program Site List Source: Department of Environmental Management

Telephone: 317-234-0966

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 06/01/03 Date Made Active at EDR: 08/20/03 Database Release Frequency: Semi-Annually Date of Data Arrival at EDR: 08/11/03 Elapsed ASTM days: 9 Date of Last EDR Contact: 08/11/03

STATE OF INDIANA ASTM SUPPLEMENTAL RECORDS

SPILLS: Spills Incidents

Source: Department of Environmental Management

Telephone: 317-308-3008

Date of Government Version: 09/24/03 Database Release Frequency: Semi-Annually Date of Last EDR Contact: 10/01/03 Date of Next Scheduled EDR Contact: 12/29/03

BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities

Source: Office of Indiana State Chemist

Telephone: 765-494-0579

A listing of registered dry or liquid bulk fertilizer and pesticide storage facilities.

Date of Government Version: 09/17/03 Database Release Frequency: Varies

Date of Last EDR Contact: 09/15/03 Date of Next Scheduled EDR Contact: 12/15/03

EDR PROPRIETARY HISTORICAL DATABASES

EDR Historical Gas Station and Dry Cleaners: EDR has searched select national collections of business directories and has collected listings of potential dry cleaner and gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning and gas station/filling station/service station establishments. The categories reviewed included, but were not limited to: gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, dry cleaner, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc.

This information is meant to assist and complement environmental professionals in their conduct of environmental site assessments, and is not meant to be a substitute for a full historical investigation as defined in ASTM E1527. The information provided in this proprietary database may or may not be complete; i.e., the absence of a dry cleaner or gas station/filling station/service station site does not necessarily mean that such a site did not exist in the area covered by this report.

(A note on "dry cleaning" sites: it is not possible for EDR to differentiate between establishments that use PERC on-site as a cleaning solvent and sites that function simply as drop-off and pick-up locations or that are traditional wet cleaning/laundry facilities. Therefore, it is essential for environmental professionals to incorporate professional judgment in the evaluation of each site.)

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal

BROWNFIELDS DATABASES

Brownfields: Brownfields Site List

Source: Department of Environmental Management

Telephone: 317-233-2570

A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redeveloopment is complicated due to the actual or perceived environmental contamination.

Date of Government Version: 10/07/03 Database Release Frequency: Semi-Annually Date of Last EDR Contact: 09/30/03 Date of Next Scheduled EDR Contact: 12/29/03

VCP: Voluntary Remediation Program Site List

Source: Department of Environmental Management

Telephone: 317-234-0966

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 06/01/03 Database Release Frequency: Semi-Annually Date of Last EDR Contact: 08/11/03 Date of Next Scheduled EDR Contact: 11/10/03

INST CONTROL: Sites with Restrictions

Source: Department of Environmental Management

Telephone: 317-232-8603

A listing of Comfort/Site Status Letter sites that have been issued with Institutional Controls.

Date of Government Version: 10/07/03 Database Release Frequency: Varies

Date of Last EDR Contact: 09/30/03 Date of Next Scheduled EDR Contact: 12/29/03

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: child Care Listing

Source: Family & Social Services Administration

Telephone: 317-232-4740

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MICHIGAN PLAZA SHOPPING CENTER 3800/3801-3823 W MICHIGAN ST INDIANAPOLIS, IN 46222

TARGET PROPERTY COORDINATES

Latitude (North):

39.773579 - 39* 46' 24.9"

Longitude (West):

86.226387 - 86° 13' 35.0"

Universal Tranverse Mercator: UTM X (Meters):

Zone 16 566254.8

UTM X (Meters): UTM Y (Meters): 4402704.0

Elevation:

715 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

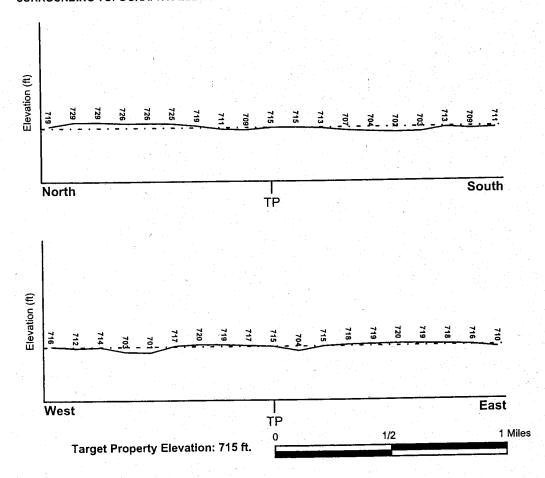
USGS Topographic Map: General Topographic Gradient: General ESE

2439086-G2 INDIANAPOLIS WEST, IN

Source:

USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood

Target Property County MARION, IN

Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

1801590050D

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property
INDIANAPOLIS WEST

<u>Data Coverage</u> <u>YES - refer to the Overview Map and Detail Map</u>

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
2	1/2 - 1 Mile ESE	SE
4	1/2 - 1 Mile East	SSE
7	1/2 - 1 Mile NE	S
9	1/2 - 1 Mile North	SSE
10	1/2 - 1 Mile WNW	E same said the said of the sa
11	1/2 - 1 Mile SSW	ENE
12	1/2 - 1 Mile NNW	S
13	1/2 - 1 Mile South	ENE
14	1/2 - 1 Mile South	SSE

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Era:

Paleozoic

System:

Devonian

Series:

Middle Devonian

Code:

D2 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:

SAWMILL

Soil Surface Texture:

silty clay loam

Hydrologic Group:

Class B/D - Drained/undrained hydrology class of soils that can be

drained and are classified.

Soil Drainage Class:

Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min:

> 60 inches

Depth to Bedrock Max:

> 60 inches

	the second	·	Soil Layer	Information			
	Bour	idary		Classi	fication		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	17 inches	silty clay loam	Silt-Clay Materials (more than 35 pct.	FINE-GRAINED SOILS, Silts and Clays	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.10
				passing No. 200), Clayey Soils.	(liquid limit less than 50%), Lean Clay		
2	17 inches	32 inches	silty clay loam	Silt-Clay Materials (more than 35 pct.	FINE-GRAINED SOILS, Silts and Clays	Max; 2.00 Min: 0.60	Max: 7.80 Min: 6.10
				passing No. 200), Clayey Soils.	(liquid limit less than 50%), Lean Clay		
3	32 inches	58 inches	silty clay loam	Silt-Clay Materials (more	FINE-GRAINED SOILS, Silts	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.10
				than 35 pct. passing No. 200), Clayey Soils.	and Clays (liquid limit less than 50%), Lean Clay		
4	58 inches	65 inches	silty clay loam	Silt-Clay Materials (more	FINE-GRAINED SOILS, Silts	Max: 2.00 Min: 0.60	Max: 8.40 Min: 6.10
				than 35 pct. passing No. 200), Silty Soils.	and Clays (liquid limit less than 50%), Lean Clay		

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam

loam silty clay sandy loam fine sandy loam

Surficial Soil Types:

silt loam loam silty clay sandy loam fine sandy loam

Shallow Soil Types:

silt loam

Deeper Soil Types:

stratified silt loam

clay loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE

SEARCH DISTANCE (miles)

Federal USGS

1.000

Federal FRDS PWS

Nearest PWS within 1 mile

State Database

1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS0260826	1/4 - 1/2 Mile North
3	USGS0260774	1/2 - 1 Mile NNE
5	USGS0260825	1/2 - 1 Mile ENE
6	USGS0260767	 1/2 - 1 Mile SE
8	USGS0260765	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID

WELL ID

LOCATION FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

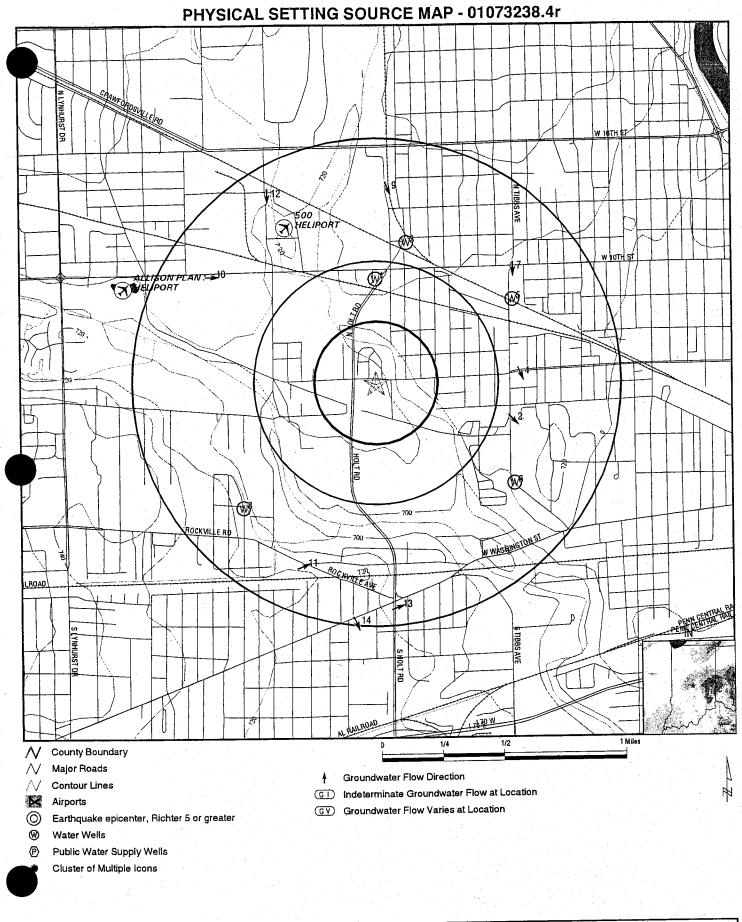
STATE DATABASE WELL INFORMATION

MAP ID

WELL ID

LOCATION FROM TP

No Wells Found



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:

Michigan Plaza Shopping Center 3800/3801-3823 W Michigan St Indianapolis IN 46222 39.7736 / 86.2264

CUSTOMER: CONTACT INQUIRY#:

Mundell & Associates, Inc

Leena Lothe 01073238.4r

October 29, 2003 2:38 pm

DATE: Copyright @ 2003 EDR, Inc. @ 2003 GDT, Inc. Rel. 07/2002. All Rights Reserved.

Map ID Direction Distance Database EDR ID Number Elevation **FED USGS** USGS0260826 1/4 - 1/2 Mile Higher 394647086133500 Site ID: USGS[®] Agency: MARION COUNTY OBSERVATION WELL 70 AT INDNPLS IN Site Name: 39.77977 Dec. Latitude: Dec. Longitude: -86.22638 NAD83 Coord Sys: State: IN Marion County County: Altitude: 723.32 05120201 Hydrologic code: Topographic: Flood plain Site Type: Ground-water other than Spring 19740402 19740402 Inven Date: Const Date: Well Type: Single well, other than collector or Ranney type 1120TWS Primary Aquifer: Aquifer type: Unconfined single aquifer, Well depth: 23.6 D Hole depth: 25.0 Source: Project no: Not Reported Ground-water levels, Number of Measurements: 1 Feet to Feet below Sealevel Date Surface 1974-04-02 16.51 Site ID: 6702 **AQUIFLOW** 4447 ESE 1/2 - 1 Mile Groundwater Flow: SE Water Table Depth: 23.36-24.24 Higher 12/01/94 Date: USGS0260774 **FED USGS** NNE 1/2 - 1 Mile Higher 394656086132901 Agency: Site Name: NAWQA URBAN WELL FU7 AT INDIANAPOLIS 39.78192 Dec. Latitude: -86.224 Dec. Longitude: NAD83 Coord Sys: IN State: County: Marion County 727 Altitude: Hydrologic code: 05120201 Alluvial or marine terrace Topographic: Ground-water other than Spring Site Type: 19950621 Const Date: 19950525 Inven Date: Well Type: Single well, other than collector or Ranney type Primary Aquifer: 110VLTR Aquifer type: Unconfined single aquifer Well depth: 29 s 30 Source: Hole depth: Project no: Not Reported

Ground-water levels, Number of Measurements: 3

Feet below Feet to Surface

Sealevel

Feet below Surface Date

Feet to

Sealevel

AQUIFLOW

FED USGS

4466

USGS0260825

USGS0260767

1997-06-05 22.75

1995-06-20 23.67

22.05 1996-07-11

East 1/2 - 1 Mile Higher

Date

Site ID:

Date:

7009

Groundwater Flow: Water Table Depth: SSE 24.23-26.47

08/01/97

ENE 1/2 - 1 Mile Higher

Agency:

USGS

39.7785

NAD83

IN

720 05120201

-86.21589

Marion County

Site ID:

Inven Date:

Source:

394642086125701 NAWQA URBAN WELL FU3 AT INDIANAPOLIS

Site Name: Dec. Latitude:

Dec. Longitude:

Coord Sys:

State:

County: Altitude:

Hydrologic code:

Topographic:

Site Type:

Ground-water other than Spring

Alluvial or marine terrace

Const Date: Single well, other than collector or Ranney type Well Type:

110VLTR Primary Aquifer. Unconfined single aquifer

29

Aquifer type: Well depth:

Hole depth:

30

Not Reported Project no:

Ground-water levels, Number of Measurements: 3

Feet below Feet to Surface

Sealevel

Date

Feet below Surface

s

Feet to Sealevel

19950621

1996-07-11 21.1

1/2 - 1 Mile Lower

Date

1997-06-05

1995-07-24

Agency:

20.6

22.77

USGS MARION COUNTY OBSERVATION WELL 55 AT INDNPLS IN

Site ID:

394603086125700

FED USGS

Site Name: Dec. Latitude:

39.76754 -86.21582

Dec. Longitude: Coord Sys: State:

NAD83 Marion County

County: Altitude: Hydrologic code: Topographic:

723.71 05120201 Not Reported

Site Type: Const Date: Ground-water other than Spring

19740310

Inven Date:

19740310

Well Type:

Single well, other than collector or Ranney type

Primary Aquifer:

1120TWS

Aquifer type:

Unconfined single aquifer

Well depth: Hole depth:

40.0

Source:

D

Project no:

Not Reported

Ground-water levels, Number of Measurements: 0

Site ID:

1022

S

7 NE 1/2 - 1 Mile Higher

Groundwater Flow: Water Table Depth:

Date:

16.58-18.22 09/01/90

4603

8 SW 1/2 - 1 Mile Lower

Agency:

USGS

Site ID:

FED USGS

AQUIFLOW

USGS0260765

Site Name:

MARION COUNTY OBSERVATION WELL 71 AT INDNPLS IN

394558086141200

Dec. Latitude:

39.76615 -86.23666

Dec. Longitude: Coord Sys:

State:

NAD83 IN

County: Altitude: Hydrologic code: Marion County 722.44 05120201 Not Reported

Topographic: Site Type: Const Date:

Ground-water other than Spring

19740402

Inven Date:

19740402

Well Type:

Single well, other than collector or Ranney type 1120TWS

Primary Aquifer: Aquifer type:

Unconfined single aquifer

Well depth:

25.4 25.4

Hole depth:

Project no:

Not Reported

Source:

D

Ground-water levels, Number of Measurements: 0

North 1/2 - 1 Mile Higher

Site ID: Groundwater Flow: 6840

SSE 14.44-21.80

Water Table Depth: Date:

02/01/89

10 WNW 1/2 - 1 Mile Higher

Site ID:

Date:

1577

12.0-12.48 09/01/90

SSW 1/2 - 1 Mile Higher

Site ID:

Date:

Groundwater Flow: Water Table Depth:

Groundwater Flow:

Water Table Depth:

6704 ENE

14.56-21.48 02/01/95

AQUIFLOW

AQUIFLOW

4449 **AQUIFLOW**

4459

4351

Map ID Direction Distance Elevation				Database	EDR ID Numbe	er
12 NNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Water Table Depth: Date:	6857 S 7.8-9.46 05/01/90		AQUIFLOW	4598	
13 South 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Water Table Depth: Date:	1068 ENE 10.94-13.59 10/01/93		AQUIFLOW	4337	
14 South 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Water Table Depth:	18178 SSE AVG 13 08/01/93		AQUIFLOW	4543	

AREA RADON INFORMATION

State Database: IN Radon

Radon Test Results

City	County	Zip	Result
			
	MADION	46222	7.699999809265137
INDIANAPOLIS	MARION	46222	2.5
INDIANAPOLIS	MARION		5.800000190734863
INDIANAPOLIS	MARION	46222	0.899999976158142
INDIANAPOLIS	MARION	46222 46222	0.699999988079071
INDIANAPOLIS	MARION	46222	6.5
INDIANAPOLIS	MARION		1.799999952316284
INDIANAPOLIS	MARION	46222	14.30000019073486
INDIANAPOLIS	MARION	46222	5.900000095367432
INDIANAPOLIS	MARION	46222	8.899999618530273
INDIANAPOLIS	MARION	46222	5.5
INDIANAPOLIS	MARION	46222	6.199999809265137
INDIANAPOLIS	MARION	46222	11.19999980926514
INDIANAPOLIS	MARION	46222	7.5
INDIANAPOLIS	MARION	46222	2.599999904632568
INDIANAPOLIS	MARION	46222	
INDIANAPOLIS	MARION	46222	7.900000095367432
INDIANAPOLIS	MARION	46222	3.799999952316284
INDIANAPOLIS	MARION	46222	17.29999923706055
INDIANAPOLIS	MARION	46222	2.299999952316284
INDIANAPOLIS	MARION	46222	4.900000095367432
INDIANAPOLIS	MARION	46222	1.200000047683716
INDIANAPOLIS	MARION	46222	4
INDIANAPOLIS	MARION	46222	6.300000190734863
INDIANAPOLIS	MARION	46222	4.300000190734863
INDÍANAPOLIS	MARION	46222	7.5
INDIANAPOLIS	MARION	46222	11.80000019073486
INDIANAPOLIS	MARION	46222	0.40000005960465
INDIANAPOLIS	MARION	46222	4
INDIANAPOLIS	MARION	46222	7.300000190734863
INDIANAPOLIS	MARION	46222	0.300000011920929
INDIANAPOLIS	MARION	46222	5.300000190734863
INDIANAPOLIS	MARION	46222	7.900000095367432
INDIANAPOLIS	MARION	46222	0.89999976158142
INDIANAPOLIS	MARION	46222	5.599999904632568
INDIANAPOLIS	MARION	46222	5.300000190734863
INDIANAPOLIS	MARION	46222	5.599999904632568
INDIANAPOLIS	MARION	46222	4.099999904632568
INDIANAPOLIS	MARION	46222	1.600000023841858
INDIANAPOLIS	MARION	46222	7.599999904632568
INDIANAPOLIS	MARION	46222	13.19999980926514
INDIANAPOLIS	MARION	46222	8
INDIANAPOLIS	MARION	46222	11.10000038146973
INDIANAPOLIS	MARION	46222	16
INDIANAPOLIS	MARION	46222	10.30000019073486
INDIANAPOLIS	MARION	46222	9.5
INDIANAPOLIS	MARION	46222	6.5
INDIANAPOLIS			
HADIVIAVE OFIO			

AREA RADON INFORMATION

INDIANAPOLIS	MARION MARION	46222 46222	7.300000190734863 21.29999923706055 3.70000047683716
INDIANAPOLIS	MARION	46222	
INDIANAPOLIS	MARION	46222	1.899999976158142
INDIANAPOLIS	MARION	46222	8.199999809265137
INDIANAP.OLIS	MARION	46222	2
INDIANAPOLIS	MARION	46222	1.200000047683716 8.899999618530273
INDIANAPOLIS	MARION	46222	0,000
INDIANAPOLIS	MARION	46222	8.300000190734863
INDIANAPOLIS	MARION	46222	6.5
INDIANAPOLIS	MARION	46222	8.100000381469727
INDIANAPOLIS	MARION	46222	6.400000095367432
INDIANAPOLIS	MARION	46222	6.599999904632568
INDIANAPOLIS	MARION	46222	6.199999809265137
INDIANAPOLIS	MARION	46222	4.5
INDIANAPOLIS	MARION	46222	1.799999952316284
INDIANAPOLIS	MARION	46222	3.700000047683716
INDIANAPOLIS	MARION	46222	5.5
INDIANAPOLIS	MARION	46222	5.5
INDIANAPOLIS	MARION	46222	17
INDIANAPOLIS	MARION	46222	4.400000095367432
INDIANAPOLIS	MARION	46222	7
INDIANAPOLIS	MARION	46222	24.39999961853027
INDIANAPOLIS	MARION	46222	11.89999961853027
INDIANAPOLIS	MARION	46222	0.600000023841858
INDIANAPOLIS	MARION	46222	3
INDIANAPOLIS	MARION	46222	16.29999923706055

Federal EPA Radon Zone for MARION County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 46222

Number of sites tested: 4

Number of sites tested: 4				% >20 pCi/L
Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCirL
Living Area - 1st Floor Living Area - 2nd Floor Basement	5.100 pCi/L Not Reported 8.625 pCi/L	0% Not Reported 0%	100% Not Reported 100%	0% Not Reported 0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS

1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOWR Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

> Page A-14 TC01073238.4r

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Public Water Supply Wells

Source: Department of Environmental Management

Telephone: 317-308-3323

Community and non-community drinking water wells.

RADON

State Database: IN Radon

Source: Department of Health Telephone: 317-233-7148 Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

APPENDIX D

Marion County Health Department Records

APPENDIX D

Marion County Health Department Records



MARION COUNTY
HEALTH DEPARTMENT
Making a difference

November 4, 2003

Leena Lothe Mundell & Associates, Inc 429 East Vermont Street, Suite 200 Indianapolis IN 46202 3688

RE: 3800 W Michigan Street 3800-3823 W Michigan Street 3819 W Michigan Street 700 N Olin

Dear Ms. Lothe,

Copies of the information from the files of the Marion County Health Department concerning the aforementioned properties were provided to you on November 4, 2003. This file search reflects only what is included in our department's file. We recommend you also contact other agencies involved with environmental and safety issues.

If you have any questions please feel free to contact me at (317) 221-2298.

Sincerely,

Adam Rickert, CHMM
Supervisor, Water Quality
Bureau of Environmental Health
Department of Water Quality and
Hazardous Materials Management

3838 NORTH RURAL STREET
INDIANAPOLIS, INDIANA 46205
TELEPHONE (317) 221-2000



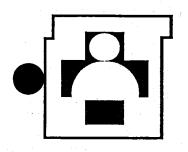
	VATER QUALITY AND RIALS MANAGEMENT R.
Division of 1	Public Health R.
ame or Description of Premises	Address
Person Interviewed Phone	3800 w. Michigan st
Mr. Campbell, Contractor 291-5136	Person Legally Responsible Phone
Mr. Campbell, Contracted 291-5136	
Lori Sonders. Complaintant - 486-9481	
I spoke with Darry Maxim.	She soid Michigan apts is
on a 3 monter eyele with 6	ampbell's Exterminatori Company
	mdp1x. IN, 46241
Jeni Martin Called Mr. Campbe	Il an the telephone,
Mr. Campbell said all his tech	
postive applicators registère	
Az also said that Building	10 (complaintant's address)
was treated with Dissaura	PT 750 PTALET ON MAN ST.
D'droue to Bielding 10 (a	et 1000) and spore w/Lai
	satified before the spraying
but she had her windows as	sen on May 1st To
bur that Mr. Comprell would	be spraying again in doubt
i bross a sed blugger I has	den to dose les mindous
during a possible sometime as	PLUT 3 PrAVILLE TO NE - 50 1
Tild sould be information	an the Chemicals used
501 biaz est lestan est 71	that see was nevery this
_ seas to noster Addiess_5	LE SEEMED Satisfied WHEALTH POPT
CHECK FOR PROPER FILING:	Check and Complete:
child facility schools	complaint problem correcte unjustified complaint referred to:
ompaniessolid waste: ground water district #	order issued
surface waterinfectious waste	recheck:ready to file
swimming poolCSOlift stationUST	date sample
miscellaneous NPDES other; specify: PIR; specify:	field test

BUREAU OF ENVIRONMENTAL HEALTH

DEPARTMENT OF WATER QUALITY AND HAZARDOUS MATERIALS MANAGEMENT COMPLAINT FORM

Date Complaint Taken 5/4/92 P.M. Census Tract Date of Initial Response _ District North West Specialist's Name Both Wan DamARK Form of Complaint: Phone Letter In Person Name of Person/Owner/Establishment Complained About 3800 W. MICHIGAN -Address/Location Complained About Description of Complaint (Use Complainant's Wording): COMPLAINANT CONCERNED ABOUT SPRAYING OF WEEDS NEAR HER ABACTMENT called 10:45 Left mosage on phone records Complainant: LORI SANDERS 2rd P. Phone 486-9481 Complainant's Address 3800 W. MICHGAN, AT 1006 REFEREN TROM HOUSING Taken By: D. Mc CLURE Action Taken: Justified Vndetermined Order Issued See Inspection Narrative _____ Dated _05/05/92 Response made to Complainant Yes No Name of Investigator Dog San Downs

(DWQHMM 4/87)



Department of Water Quality and Hazardous Materials Management 3838 N. Rural Street Indianapolis, Indiana 46205 (317) 541-2266

January 15, 1993

Mr. Erick Mahone Michigan Apartments Apartment #711 3800 W. Michigan Street Indianapolis, IN 46222

Dear Mr. Mahone:

I am writing to confirm our phone conversation on January 7, 1993. On that day, I called Indiana University's Medical Center because I had information that linked you to the improper disposal of dialysis bags that you had used. The dialysis bags appeared to contain peritoneal fluid and were found in a dumpster at the Willow Lake Gardens Apartments. Members of my department's emergency response team were sent to that complaint.

During our conversation you admitted that you improperly disposed of the bags. Ms. Smith and I informed you about proper disposal of peritoneal fluid. You stated that you would retrieve the bags and properly dispose of the fluid.

I have verified that the dialysis bags were retrieved from the dumpster. I encourage you to continue to dispose of peritoneal fluid in an approved manner. This is easy to do since you can merely dispose of the fluid by emptying it in a toilet.

I am hopeful that you will continue to properly dispose of your peritoneal fluids. This will enable us to maintain a better environment and avoid the need for any enforcement action. If you have any questions about this, please call me at 541-2266.

Sincerely,

Dave McClure Supervisor

BUREAU OF ENVIRONMENTAL HEALTH

Department of Water Quality and

Hazardous Materials Management

HOUSING COMPLYAINT FORM

DATE: FS:55 CENSUS TRACT: 417 INTES: 19
VIOLATION ADDRESS: 3800 4 1108 W Michigan
VIOLATION RELOUDED AND THE REPRESENTED
need general inspection - Sound like
water running - Bad odor / making
Tenant Sick - + Burning
TILLSE: NAC: HOUSING: X FARERCAPICS: LALID:
Cara a cara a
COMPLATION ETHANTS INFORMATION
Lena B webston
3800 # 1808 W michigan ST
Thats IN the the
2700 317, 486-1287
ADDITIONNI COMMENTS
michigan apts LL
Rush
Jeff is this yours
Cet me 16 now, where
To go with this one
Please (Ciz
1 / Euch, C/C



Department of Water Quality and Hazardous Materials Management Division of Public Health

FIELD SHEET

MCHU Contacted I Name: <u>P. Thurso</u>	- -	Date 6-14-96 Time 9:50 A.m.
Address:	<u> </u>	
Addie35		
Reported by:		Responsible Party:
Name: Lena	Webster	Contact Person: Un kason
Title: OCCU		Title:
Company:		Company:
Address: 3801	wmichigan #1108	Address:
City/State/Zip:/	NDOIS IN 46222	City/State/Zip: Telephone:
Telephone:	186-128+	Тетернове.
Date & Time	3800 W. Michigan #	1108.
6-14-96	1,75.7	
9:50 Am.	Met w/ Mrs Webst	er - She claimed maintenance
	dept at Apts au	t drain chaner in all her drains
	last week - sh	e had odor for I day or so.
	No oper today	
	She was oncerne	o w/ Lye from drain cleaner coming
	out of fau cetts whe	n She bathed
	She also was conc	erned + irretated w/ neighbor who
	constantly had we	eter rounning - probably faulty toitel.
	I Advised her to	Jell Apt. Management.
	complaint unjust	fied for odor / stekness.
	Check for Proper Filing	Check and Complete
Companies	Solid Waste - specify:	Send to contact agency Order issued Send to reporting agency Recheck date:
CSO Groundwater	Surface Water - specify:	Send to: Y Problem corrected
Lift Station		Sample:
<u></u> ★ Miscellaneous	NPDES Other:	
Schools	Oner	Referred to:
	re	Specialist: Williamur



Department of Water Quality and Hazardous Materials Management Division of Public Health

FIELD SHEET

Name: Leng W	oby. elster of Date 4/26/94 Time 8-05 pm
Address: 38	00 W Michigan #110D
Address	
Reported by:	Responsible Party:
Name:	Some Contact Person: Ua known
Title:	
Company:	Company:
Address:	Address:
Address: City/State/Zip: _ Telephone:	City/State/Zip:
l elephone:	486-(287 Telephone:
Date & Time	2 XOD W G1. 1- + # 1100
	3800 W- Mrchizan # 1108
6/26/96	
805 AM.	- Mrs Webster called claming bas spor making her Sich
	+ glase on new Kitchen floor making her feet hot even
	with her Shaeson
	= I Observed only a slight onor sort of like Air Growshim
	or chaner - closets were kind of musty /Animal-live
	Smell outside inside
	- Did TUA Pig 0,30 6.90
	FIP 0160 2.10
	Toldwars weister I would have his a cauldwal Call to
	set up 4-8hr Charcoal tuke
	- Adult protective Sorvices is involved
-	Check for Proper Filing Check and Complete
Companies	Solid Waste - specify:Send to contact agencyOrder issued
CSO	Send to reporting agencyRecheck date: Surface Water - specify:Send to:Problem corrected
roundwater Lift Station	Surface water - specify:Send to:
✓ Miscellaneous	
Schools	Other: TReferred to: F- Caudward
	Specialist: W. Specia
	\mathcal{A}_{GIM} $\mathcal{A}_{\mathcal{F}}$

Marion County Health Department Department of Water Quality and Hazardous Materials Management

	FIEL	D SHEET	
Acconse Address:	3800 W Michigan	Company Name:	
Response Date:	Tuesday January 22, 2002	Contact Person:	Myron Dokes
Response Time:	3:30 p.m.	Address:	
Copy to:		City/State/Zip:	
Field Notes:		Telephone:	240-4369, cp 432-8557
	from manhole at mobile home park. Manho allons a minute into the creek.	ole was on the bank	of Little Eagle Creek and was flowing
Spoke with Myron repaired by Friday	Dokes, mgr for the park, who said that the January 25, 2002. Two new pumps were in the dug-up. In compliance.	pump on their lift stanstalled in the lift stan	ation was not working. The lift station was tion. Myron also had the soil around the
Facility Type (che Child Care Fac		call that apply)NPDES (NPD)	_xInitial orRecheck
(CF) Commercial (C	O) Asbestos (AS) BIO	No Public Health	(NPH) Recheck Date:
Dry Cleaner (D		Occupational He	alth
Refuse Proces (RP)	sing Fish Kill (FK)	Radon (RA)	Referred to:
x Residential (R	E) _x_General Public Health(GPH)	Septic System (S	
School (SC)	GW Contamination (GWC)	Soil Contamination (SLC)	
Solid Waste Di (SO)		Soil Sample (SLS	
Street (ST) urface Water rimming Poo		Solid Waste (SLI _x_Spill (SPL) _ SW Contamination (SWC)	Noncompliance
Vacant (VA)	Lift Station (LS)	SW Sample (SW UST	(S) Signature: CL 754

Maintenance(VM)

Leaking UST (LUS)

DRY CLEANER INSPECTION CHECKLIST

Addres	55: 38/9 W. M. Zhan Rd	Date: Conta	ct: _	Ch	Reason: WInitial (I) Rechect Building: Free Standing (F)	
City/S		fitle:	OL	<u>~^6</u>	Attchd Commercial	(C)
16		nspec	tor:	Spe	PCS / G·756 ☐ Attchd Residential (R	()
	D COMMUNICATION PROGRAM	Wt.		NESH	APS REQUIREMENTS	Wt
	Written program available	5			Perc purchase receipts for last 12 months available	5
02	Contains an MSDS for all hazardous substances on-site	3		(39)	Annual running total of perc consumption calculated / OO gallyr	3
03	Contains a list of all hazardous substances on site	2		40	Number of dry cleaning machines: Dry to dry Transfer	
04	Indicates who is responsible for maintaining MSDSs	2		41	Source category: Small area Large area Major	
05	Explains the proper labeling of containers	1		42	Facility type: New (on or after Dec 9, 1991) MExisting	
06	Explains how to respond to non-routine tasks	1	K	43	Submitted "Initial Notification Reporting Requirements for Perc Dry	T 1
07	Documents training of employees (recommended only)	R		43	Cleaning Facilities" for to the EPA	1'
	EN RESPIRATOR PROGRAM / A	1 6		44	<u> </u>	+
		1 -	+ =		Submitted "Compliance Report for Pollution Prevention" to the EPA	1.
08	Personal air monitoring has been performed (required in plants with	5		45	Owners manuals for all dry cleaning equipment available	1
	transfer machines, recommended for all others) Recommond	$oxed{oxed}$		(46)	Written log of leak detection and repair program available (weekly	3
09	Written respirator program available (required if exposed to > 100	5			for Existing Large Area Sources; biweekly for all others)	1
	ppm TLV-TWA or > 200 ppm TLV-STEL)			47	All repairs made within 24 hours, or parts ordered within 2 days	3
10	Explains the proper usage and limitations of respirators	2	,		and repairs made within 5 days of receipt of the parts	
11	Requires medical surveillance	2		NEW	SMALL AREA AND NEW LARGE AREA SOURCES	100
12	Requires the use of NIOSH-approved respirators	2		48	All new machines (manufactured after Dec 9, 1991) are closed-	5
13	Requires regular inspection and cleaning of respirators	2			loop, refrigerated dry-to-dry machines	
14				49	Records available of weekly measurements of the exhaust on the	3
	Respirators are stored properly and are in good condition	2		10	outlet side of all refrigerated condensers (must be $\leq 45^{\circ}$ F)	"
	EN EXPOSURE CONTROL PLANA/A			EVICT	ING LARGE AREA SOURCES	ـــِــــــــــــــــــــــــــــــــــ
15	Written Exposure Control Plan available (required if employees	5				
	handle laundry contaminated with bodily fluids	<u> </u>		50	Submitted "Compliance Report for Control Requirements" to EPA	
16	Includes a copy of the standard and explains its contents	2			(not required until 10/23/96, but must comply with the following if	
17	Explains universal precautions	2			they have submitted this report)	
(Employees are trained on the symptoms of bloodborne diseases and	2		51	If using a refrigerated condenser on a washer, records available of	3
	modes of transmission		,		weekly measurements of the inlet and outlet side of the	
19	Explains the selection, use, location, handling and disposal of PPE	2			refrigerated condenser (difference must be at least 20°F)	<u> L</u>
20				52	If using a refrigerated condenser on a dry-to-dry machine, reclaimer,	3
$\overline{}$	Hepatitis B vaccination provided to employees free of charge	2		ļ.	or dryer, records available of weekly measurements of the exhaust	
21	Explains the procedure to follow if an exposure occurs	3			outlet temperature of all refrigerated condensers (must be $\leq 45^{\circ}F$)	1
22	Describes the signs, labels, and color coding of infectious waste	2		53	If using a carbon adsorber, records available of weekly	3
	containers				measurements of the concentration of perc in the carbon adsorber	1
23	Documents training of affected employees initially and annually	3			exhaust. Must be taken using a detector tube while the machine is	
WRITT	EN LOCK-OUT/TAG-OUT PROGRAM				venting to the carbon adsorber at the end of the last dry cleaning	
[24]	Written lock-out/tag-out program available	5			cycle prior to desorption (<i>must be ≤100 ppm</i>)	1
25	Requires stored energy to be released or blocked before equipment	3		HAZA	RDOUS WASTE DISPOSAL AAA	
	is locked-out for repair			54	Amount of hazardous waste generated per month: (2) lbs.	
26	Requires employees to check the lock-out by attempting a start	2		"	If less than 220 lbs, exempt from the following requirements	
[[after lockout			 	EPA Identification number: IM) 133340693	5
27	Documents training of affected and authorized employees			55		+
\vdash		3		(56)	Waste manifests for last three years available (Lemonts)	4
28	Requires that employees can be identified by their locks and tags	2		57	Licensed hazardous waste hauler used to transport waste	4
29	Provides authorized employees with individually keyed locks	2		58	Contingency plan for waste-related emergencies, including 24 hour	3
30	Requires authorized employees to keep possession of their individual	2			contact (not required to be in writing for CESQG or SQG)	<u>i </u>
	keys during a lock-out procedure			PERCI	HLOROETHYLENE STORAGE AREA - E. J. Thomas	
31	Identifies safe procedure for machines that cannot be locked-out or	2	6	59)	All perc containers labeled with proper name and hazard warning	5
	tagged-out		•	60	All perc stored indoors in closed, non-leaking containers	5
EMERG	ENCY ACTION PLAN	ئـــــا		61	All perc containers stored in a manner to allow easy daily inspection	R
32	EAP available (oral if < 10 employees, written if ≥10 employees)	5		2000000000		
33	Designates escape procedures and routes and employee accounting			62	Secondary containment or floor drain covers available	R
3	The state of the s	2		63	Spill plan in place to reduce loss and contamnation during perc spills	R
3	following an evacuation	┡═┩		64	Perc transferred using spigots or pumps from properly vented	R
34	Describes means of reporting emergencies and lists emergency	2			containers directly to machines	
	phone numbers	Ш		65	Containers emptied completely before cleaning or disposal	Ħ
35	Describes rescue and medical duties of employees	2		66	Volume of perc stored on site is kept to a minimum	R
36	Addresses fires, chemical spills, tornadoes, blizzards, floods, and	2			TING AREAS	************
	bomb threats			67	All containers are labeled with proper name and hazard warning	4
37	All employees trained at least once (documentation not required)	2		(68)	All spotters are trained on the hazards of all spotting solvents	3
		 -l		<u>(197</u>	1 vii shorrais ara a awton nii riia iiavains ni an shorriis soisaiir2	1."

HAZAI	RDOUS WASTE STORAGE AREA	Wt.
69	All waste stored in a secure location in sealed, leak-proof containers	5
70	All containers labeled "Hazardous Waste" or with similar words	4
71)	Accumulation dates recorded on all hazardous waste containers	3
	Small Quantity Generators: accumulate waste for ≤180 days	3
70-	CESQG: store less than 2,200 lbs. of hazardous waste on-site	3
74	CESOG: use licensed waste hauler to transport hazardous waste or dispose of hazardous waste at Tox-Away Day	R
GENEF	RAL WORK AREA	
WAY)	Connected to the sanitary sewer—O/c	5
76)	IOSHA workplace poster displayed where all employees will see it	3
77	Emergency telephone numbers posted where they can be found	3
78)	"Exit" signs posted and illuminated; "Not an Exit" signs posted	3
79	Aisles are clear for egress purposes	3
80)	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
81	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
82	Work areas are clean and well lit	2
83	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills:	B
84	Recycling program in place for hangers and garment hags	R
85	Waste reduction program in place for packing materials and containers	R

DRY C	LEANING EQUIPMENT	W
86	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
87	Machine doors are kept closed except when loading and unloading	3
88	Dry cleaning equipment is free of leaks	5
89	Solvent mileage tracked (pounds of garments per gallon of perc)	R
90	Preventive maintenance program in place	R
91	Dry cleaning equipment efficiency is optimized	R
92	Wet cleaning used whenever possible	R
93	Transfer machines are being replaced	R
94	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R
95	Recover waste solvent using a still or muck cooker	R
96	Regenerate carbon adsorbers	R
LECT	RICAL	
97)	Openings in electrical enclosures and fittings closed with appropriate covers, plugs, or plates	3
98	Switches, receptacles, and junction boxes covered properly	3
99	Extension cords are not used as permanent wiring	3
100	All wiring is in good condition, including no fraying or deterioration or missing grounds	3
101	Flexible cords and cables are free of splices and taps	3

*Wt: 5-Serious or top priority; 1-Minor or low priority; R-Recommendation only

102 | Circuit breakers and disconnecting switches labeled

Does AAD need to take barred?

Exhaust fan in bathroun

Hot water in bathroun

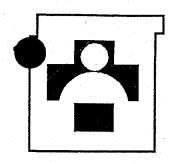
Paper torels in bathrouns

Lasel restrum down



Receipt for Certified Mail
No Insurance Coverage Provided Do not use for International Mail (See Reverse)

	(See Reverse)				
993	Sent to Owner				
h 1	Street an Charles Dodson				
Mar	P.O., State and 21P Wood Wichigan Road				
	Indianapolis, IN	I 46222			
3800	Postage	\$			
Ĕ	Certified Fee				
PS Form 3800, March 1993	Special Delivery Fee				
<u> </u>	Restricted Delivery Fee				
	Return Receipt Showing to Whom & Date Delivered				
	Return Receipt Showing to Whom, Date, and Addressee's Address				
	TOTAL Postage & Fees	\$			
	Postmark or Date				



3838 N. Rural St. Indianapolis, Indiana 46205 (317) 541-2270

December 14, 1994

Owner Charles Dodson 3819 W. Michigan Road Indianapolis, IN 46222

Dear Sir or Madam:

An inspection was made of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST on December 12, 1994. You are hereby notified that the following observed defects are a violation of The Code, Chapters 19 and/or 20, of the Health and Hospital Corporation of Marion County. Each defect is followed by a suggested correction.

Observed Defects and Suggested Corrections

Chapter & Section

20-401/ 19-307 No written hazard communication program.

Establish a written hazard communication program that includes Material Safety Data Sheets for all the hazardous substances on-site, a list of those hazardous substances, a description of the proper labeling of containers, provisions for employee training on hazardous substances, and a list of non-routine tasks that involve hazardous substances. The sample hazard communication program that we previously sent to you can be used as a guide, but your plan must be specific for your plant.

19-307

No written hazardous energy program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

Chapter & Section



Observed Defects and Suggested Corrections

No emergency action plan.

Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.

In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.

For employers with 10 employees or less, the emergency action plan does not need to be in writing, but it must be communicated orally to the employees. Employers with more than 10 employees must establish a written emergency action plan.

Perchlorogithylene purchase receipts for last 12 months are not available.

Keep all perchloroethylene purchase receipts on-site for at least 12 months.

19-307

Annual running total of perchloroethylene consumption not available.

Calculate and record your annual running total of perchloroethylene consumption on the first working day of every month. For instance, on November 1, 1994, you should have added the number of gallons of perc you purchased between November 1, 1993 and November 1, 1994. If you have not kept track of your perc consumption, estimate it and note that it is estimated number.

9-307

Written log of weekly or biweekly leak detection and repair program is not available.

Keep a written log of your weekly or biweekly leak detection and repair program on-site.

Repairs to dry cleaning equipment or machines have not been made within 24 hours of detection or parts have not been ordered within 2 days of detection and repairs made within 5 days of receipt of

All repairs to dry cleaning equipment or machines must be made within 24 hours of detection, or parts ordered within 2 days of detection and repairs made within 5 days of receipt of those parts. Keep a written log of all repairs, including the date of repair.

Hazardous waste manifests for last the three years are not available.

Provide hazardous waste manifests for the last three years.

Compiners of hazardous substances are not labeled properly.

Label all containers of hazardous substances with the proper name and hazard warning. Retain the Department of Transportation labels and markings on all containers until the containers are sufficiently cleaned of residue.

9-307/ 20-401

Spotters are not trained on the hazards of all the spotting solvents.

Train all spotters on the hazards of all the spotting solvents that they use. This should be a part of your written hazard communication program.

Accumulation dates are not recorded on containers of hazardous waste.

Record on all containers of hazardous waste the date when hazardous waste was first placed in that container.



Chapter & Section Observed Defects and Suggested Corrections IOSHA workplace poster is not displayed in a prominent location where employees are likely to see it. 19-307 Display IOSHA workplace poster in a prominent location where employees are likely to see it. Doorways are not marked or labeled properly. Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT." Missing, inadequate or defective quard(s) on chain(s), belt(s), gear(s) or fan blade(s). Repair/replace all missing, defective or inadequate guards. All energized parts of equipment is to be guarded against contact by approved enclosures. All fan blades within 7 feet of the floor must be protected with a guard having openings no larger than 1/2 inch. All machinery guards must be secure and so arranged that they do not pose a hazard in their use. Electric service equipment, outlets, fixtures, and wiring in poor repair as evidenced by missing enclosure covers (exposed wiring), missing cable olamps (where cables enter enclosures), or unprotected non-metallic sheathed cable Employ a qualified electrician to repair all electric service equipment, outlets, fixtures, and wiring to a condition in accordance with the National Electrical Code. 9-404/307 Extension cords are used as permanent wiring. Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code. Atolekhalust Yark-imrestroom. 19-307

Install exhaust fan in restroom.

Provide hot water in restroom.

No paper towels in restroom.

Provide paper towels in restroom.

No hot water in restroom.

Corrective actions must be completed by January 16, 1995. Any person affected by this notice may request a hearing on this matter. Such a request must be made in writing and received in our Legal Department (located at 3838 N. Rural St., Indianapolis, IN 46205) within 10 business days of the receipt of this notice. Your compliance with this Notice of Violation does not release you from your responsibility to comply with other applicable local, state, and federal regulations, nor does it imply that you are in compliance with all local, state, and federal regulations.

A list of recommendations are attached to this notice. Although these are not requirements, we urge you to consider each recommendation. If you have any questions, please call me at 541-2270.

Sincerely.

19-307

19-307

Gregory L. Spears Environmental Health Specialist III

Department of Water Quality and Hazardous Materials Management Bureau of Environmental Health

AMMH001200

RECOMMENDATIONS

ollowing are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the information we sent to you during the inital mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

Track solvent mileage by dividing the total weight of garments cleaned per gallon of dry cleaning solvent consumed. An increase in solvent mileage indicates better efficiency. A decrease in solvent mileage may indicate a leak or other problems with your dry cleaning equipment.

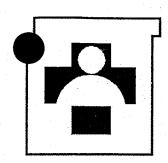
Establish and maintain preventive maintenance schedule. Preventive maintenance can reduce the risk of spills, leaks, and down time, increase efficiency, and conserve resources. Regularly replace seals and gaskets, check air relief valves and exhaust ducts, clean lint screens, and keep button and lint traps closed.

Department of Water Quality and Hazardous Materials Management Division of Public Health



FIELD SHEET

Name or Description of Premises	Address		
Commercial	3819 W. Michigan St.		
Person Interviewed Phone	Person Legally Reponsible Phone		
Chuck Andrew	Chuck Dodson		
Charles (240 Ser	Comment pages		
12/12/94			
Data & Time 1	M. Silte with Paul		
Date & Time Inspected dry	Cleaning fairlity with Paul		
11100-	10 0 11 of end		
12:00 11 Welstone	cited and recheck set on		
12:00 Gilson. Wolations			
Jan. 13, 1995.			
Jun. 15,1110			
Check for proper filing	Check & Complete		
child facilityschoolscompaniessolid waste; district	complaintproblem correctedunjustified complaint		
CSOSOIIG Waste, district	order issuedreferred to:		
groundwatersurface water; specify	Lecheck /-/3-48		
lift_stationswimming pools	datereturn to:		
PIR; specifyNPDES			
other; specify			
DRY CLANERS	Specialist Sund		
revised 4/92			



3838 N. Rural St. Indianapolis, Indiana 46205 (317) 541-2270

December 14, 1994

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All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

Chapter & Section	Observed Defects and Suggested Corrections
9-307	No emergency action plan.
	Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.
	In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.
	For employers with 10 employees or less, the emergency action plan does not need to be in writing, but it must be communicated orally to the employees. Employers with more than 10 employees must establish a written emergency action plan.
19-307	Perchloroethylene purchase receipts for last 12 months are not available.
	Keep all perchloroethylene purchase receipts on-site for at least 12 months.
19-307	Annual running total of perchloroethylene consumption not available.
	Calculate and record your annual running total of perchloroethylene consumption on the first working day of every month. For instance, on November 1, 1994, you should have added the number of gallons of perc you purchased between November 1, 1993 and November 1, 1994. If you have not kept track of your perc consumption, estimate it and note that it is estimated number.
19-307/	Written log of weekly or biweekly leak detection and repair program is not available.
20-401	Keep a written log of your weekly or biweekly leak detection and repair program on-site.
19-307/ 20-401	Repairs to dry cleaning equipment or machines have not been made within 24 hours of detection, or parts have not been ordered within 2 days of detection and repairs made within 5 days of receipt of those parts.
	All repairs to dry cleaning equipment or machines must be made within 24 hours of detection, or parts ordered within 2 days of detection and repairs made within 5 days of receipt of those parts. Keep a written log of all repairs, including the date of repair.
19-307/	Hazardous waste manifests for last the three years are not available.
20-401	Provide hazardous waste manifests for the last three years.
20-401	Containers of hazardous substances are not labeled properly.
	Label all containers of hazardous substances with the proper name and hazard warning. Retain the Department of Transportation labels and markings on all containers until the containers are sufficiently cleaned of residue.
19-307/	Spotters are not trained on the hazards of all the spotting solvents.
20-401	Train all spotters on the hazards of all the spotting solvents that they use. This should be a part of your written hazard communication program.
20-401	Accumulation dates are not recorded on containers of hazardous waste.
	Record on all containers of hazardous waste the date when hazardous waste was first placed in that container.
	人名英格兰英格兰 医多生性 医多生性 医多性性 医多种性 医二甲基磺胺 医皮肤管 医二氏管 医二氏管 医二氏管

Chapter & Section	Observed Defects and Suggested Corrections
19-307	IOSHA workplace poster is not displayed in a prominent location where employees are likely to see it.
	Display IOSHA workplace poster in a prominent location where employees are likely to see it.
19-307	Doorways are not marked or labeled properly.
	Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT."
19-307	Missing, inadequate or defective guard(s) on chain(s), belt(s), gear(s) or fan blade(s).
	Repair/replace all missing, defective or inadequate guards. All energized parts of equipment is to be guarded against contact by approved enclosures. All fan blades within 7 feet of the floor must be protected with a guard having openings no larger than 1/2 inch. All machinery guards must be secure and so arranged that they do not pose a hazard in their use.
19-404	Electric service equipment, outlets, fixtures, and wiring in poor repair as evidenced by missing enclosure covers (exposed wiring), missing cable clamps (where cables enter enclosures), or unprotected non-metallic sheathed cable.
	Employ a qualified electrician to repair all electric service equipment, outlets, fixtures, and wiring to a condition in accordance with the National Electrical Code.
19-404/307	Extension cords are used as permanent wiring.
	Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.
19-307	No exhaust fan in restroom.
19-307	Install exhaust fan in restroom. No hot water in restroom.
	Provide hot water in restroom.
19-307	No paper towels in restroom.
	Provide paper towels in restroom.

Corrective actions must be completed by **January 16**, **1995**. Any person affected by this notice may request a hearing on this matter. Such a request must be made in writing and received in our Legal Department (located at 3838 N. Rural St., Indianapolis, IN 46205) within 10 business days of the receipt of this notice. Your compliance with this Notice of Violation does not release you from your responsibility to comply with other applicable local, state, and federal regulations, nor does it imply that you are in compliance with all local, state, and federal regulations.

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Sincerely,

Gregory L. Spears

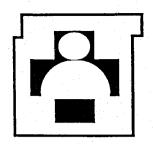
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

RECOMMENDATIONS

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Track solvent mileage by dividing the total weight of garments cleaned per gallon of dry cleaning solvent consumed. An increase in solvent mileage indicates better efficiency. A decrease in solvent mileage may indicate a leak or other problems with your dry cleaning equipment.

Establish and maintain preventive maintenance schedule. Preventive maintenance can reduce the risk of spills, leaks, and down time, increase efficiency, and conserve resources. Regularly replace seals and gaskets, check air relief valves and exhaust ducts, clean lint screens, and keep button and lint traps closed.



Department of Water Quality and Hazardous Materials Management 3838 N. Rural Street Indianapolis, Indiana 46205 (317) 541-2266

December 23, 1994

Mr. Charles Dodson Accent Dry Cleaners 3819 W. Michigan Rd. Indianapolis, IN 46222

RE: Leak Detection and Repair Program

Dear Mr. Dodson:

Here is a leak detection and repair program that you may implement at your facility. Included are instructions/information, a sample log, and actual logs to use at your facility.

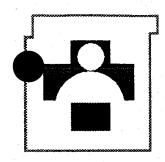
If you have any questions please contact me at 541-2266.

Sincerely,

Gregory L. Spears

Environmental Health Specialist Department of Water Quality and Hazardous Materials Management

BUREAU OF ENVIRONMENTAL HEALTH



3838 N. Rural St. Indianapolis, Indiana 46205 (317) 541-2270

July 14, 1995

Owner Charles Dodson 3819 W. Michigan Road Indianapolis, IN 46222

Dear Sir or Madam:

An inspection was made of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST on July 10, 1995 to verify compliance with the previously issued Notice of Violation. ACCENT DRY CLEANERS at 3819 W MICHIGAN ST is now in compliance with the Code of the Health and Hospital Corporation of Marion County. Your compliance with this Notice of Violation does not release you from your responsibility to comply with other applicable local, state, and federal regulations, nor does it imply that you are in compliance with all local, state, and federal regulations.

I appreciate your cooperation and your concern for public health, employee safety, and the environment. If you have any questions, please call me at 541-2270.

Sincerely,

Gregory L. Spears

Environmental Health Specialist III Department of Water Quality and Hazardous Materials Management Bureau of Environmental Health

Survey INFO.

RECOMMENDATIONS

In the following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the guidance documents that we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

Store all perchloroethylene containers so that they can be easily inspected daily for leaks or deterioration.

Provide secondary containment around all containers of hazardous materials, including drums of perchloroethylene and dry cleaning machines. If this is not feasible, provide floor drain covers or other spill containment equipment and keep it readily available.

Develop a spill plan to reduce loss and contamination during chemical spills. Train employees how to minimize losses and contamination during spills. Provide spill containment equipment and floor drain covers.

Completely empy containers of hazardous materials before cleaing and disposal.

Store all hazardous waste containers so that they can be easily inspected daily for leaks or deterioration.

Provide secondary containment around containers of hazardous waste. If this is not feasible, provide floor drain covers or other spill containment equipment and keep it readily available.

Track solvent mileage by dividing the total weight of garments cleaned per gallon of dry cleaning solvent consumed. An increase in solvent mileage indicates better efficiency. A decrease in solvent mileage may indicate a leak or other problems with your dry cleaning equipment.

Establish and maintain preventive maintenance schedule. Preventive maintenance can reduce the risk of spills, leaks, and down time, increase efficiency, and conserve resources. Regularly replace seals and gaskets, check air relief valves and exhaust ducts, clean lint screens, and keep button and lint traps closed.

Increase the use of wet cleaning to reduce your perchloroethylene consumption. Approximately 30% of garments brought to dry cleaners can be wet cleaned, which means you can reduce your perchloroethylene consumption by 30% and reduce your waste disposal costs.

Keep all floors, machinery, aisles, and work areas clean and free of debris. Good housekeeping enables easier leak detection and minimizes contamination during spills.

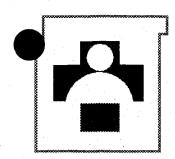
Implement a program for recycling hangers and garment bags. Contact you supplier for assistance.

MARION COUNTY HEALTH DEPARTMENT: DRY CLEANER INSPECTION CHECKLIST Establishment: ACCENT DRY CLEANERS Date: 1/17/95 Reason: Initial (I) Recheck (R) Address: 3819 U. MICHIGAN Rd. Contact: CHARLES DOGSON Building: Free Standing (F) W/State/Zip: ±NDDIS. IN. Title: OWNER Attached Commercial (C) umber: Inspector: ☐ Attached Residential (R) SPEARS HAZARD COMMUNICATION PROGRAM Wt. **NESHAPS REQUIREMENTS** (01) Written program available 3 Perc purchase receipts for last 12 months available Contains an MSDS for all hazardous substances on-site Annual running total of perc consumption calculated: 1 gal/yr 3 Contains a list of all hazardous substances on-site 03 1 40 # of dry cleaning machines: Dry to dry Coin On 04 Indicates who is responsible for maintaining MSDSs 1 41 Source category: Small area ■ Large area 05 Explains the proper labeling of containers 1 42 Facility type: New (on or after Dec 9, 1991) Existing 06 Explains how to respond to non-routine tasks Sent "Initial Notification Reporting Requirements for Perc Dry 1 43 2 07 Documents training of employees (recommended only) R Cleaning Facilities" form to the EPA or IDEM WRITTEN RESPIRATOR PROGRAM 44 Sent "Compliance Report for Pollution Prevention" to EPA or IDEM 2 08 Personal air monitoring has been performed (required in plants with Owners manuals for all dry cleaning equipment available 4 45 2 transfer machines, recommended for all others) Written log of leak detection and repair program available (weekly **(**46) 3 09 Written respirator program available (required if exposed to > 1003 for Existing Large Area Sources; biweekly for all others) ppm TWA or > 200 ppm STEL or if respirators are on-site) 47 All repairs made within 24 hours, or parts ordered within 2 days 3 10 Explains the proper usage and limitations of respirators 1 and repairs made within 5 days of receipt of the parts 11 Requires medical surveillance 1 **NEW SMALL AREA AND NEW LARGE AREA SOURCES** 12 Requires the use of NIOSH-approved respirators All new machines (manufactured after Dec 9, 1991) are closed-1 5 Requires regular inspection and cleaning of respirators 13 loop, refrigerated dry-to-dry machines 1 Records available of weekly measurements of the exhaust on the 14 Respirators are stored properly and are in good condition 49 1 3 WRITTEN EXPOSURE CONTROL PLAN outlet side of all refrigerated condensers (must be <45° F) **EXISTING LARGE AREA SOURCES** Written Exposure Control Plan available (required if employees 3 Submitted "Compliance Report for Control Requirements" to EPA handle laundry contaminated with bodily fluids) (not required until 10/23/96, but must comply with the following if 16 Includes a copy of the standard and explains its contents 1 they have submitted this report) **Explains universal precautions** 1 51 If using a refrigerated condenser on a washer, records available of 3 Employees are trained on the symptoms of bloodborne diseases and weekly measurements of the inlet and outlet side of the modes of transmission refrigerated condenser (difference must be at least 20°F) 19 Explains the selection, use, location, handling and disposal of PPE 1 52 If using a refrigerated condenser on a dry-to-dry machine, reclaimer, 20 Hepatitis B vaccination provided to employees free of charge 1 or dryer, records available of weekly measurements of the exhaust 21 Explains the procedure to follow if an exposure occurs 2 outlet temperature of all refrigerated condensers (must be <45°F) 22 Describes the signs, labels, and color coding of infectious waste 53 If using a carbon adsorber, records available of weekly 3 containers measurements of the concentration of perc in the carbon adsorber 23 Documents training of affected employees initially and annually 2 exhaust. Must be taken using a detector tube while the machine is WRITTEN ENERGY CONTROL (LOCK-OUT/TAG-OUT) PROGRAM venting to the carbon adsorber at the end of the last dry cleaning **(4)** Written lock-out/tag-out program available 3 cycle prior to desorption (must be $\leq 100 \text{ ppm}$) Requires stored energy to be released or blocked before equipment **HAZARDOUS WASTE DISPOSAL** 1 is locked-out for repair Generator status: CESQG (< 220 lbs / month) 26 Requires employees to check the lock-out by attempting a start □ SQG (≥220 lbs / month, ≤2,200 lbs / month) 1 after lockout □ LQG (> 2,200 lbs / month) 27 Documents training of affected and authorized employees If CESQG, 55-58 are recommendations only 1 28 Requires that employees can be identified by their locks and tags 55 **EPA Identification number:** 1 5 29 Provides authorized employees with tags individually keyed locks **(56)** Waste manifests for last three years available 4 1 30 Requires authorized employees to keep possession of their individual 57 Licensed hazardous waste hauler used to transport waste 5 keys during a lock-out procedure Contingency plan for waste-related emergencies, including 24 hour 3 31 Identifies safe procedure for machines that cannot be locked-out or contact (not required to be in writing for CESQG or SQG) 1 tagged-out CESQG: recommend complying with 55-58 R **EMERGENCY ACTION PLAN** PERCHLOROETHYLENE STORAGE AREA Number of employees: 30 EAP available (oral if < 10 employees, written if ≥ 10 employees) All perc containers labeled with proper name and hazard warning 3 Designates escape procedures and routes and employee accounting 61 All perc stored indoors in closed, non-leaking containers 5 following an evacuation 62 All perc containers stored in a manner to allow easy daily inspection R 34 Describes means of reporting emergencies and lists emergency 1 63 Secondary containment or floor drain covers provided R phone numbers Spill plan in place to reduce loss and contamination during perc spills 64 R 35 Describes rescue and medical duties of employees 65 Perc transferred using spigots or pumps from properly vented R 36 Addresses fires, chemical spills, tornadoes, blizzards, floods, and containers directly to machines Containers emptied completely before cleaning or disposal R 37 All employees trained at least once (documentation not required) 67. Volume of nero stored on site is kent to a mir

SPOTTING AREAS All containers are labeled with proper name and hazard warning 5 **(69)** All spotters are trained on the hazards of all spotting solvents 3 HAZARDOUS WASTE STORAGE AREA Wt. All waste stored in a secure location in sealed, leak-proof containers 5 All containers labeled "Hazardous Waste" or with similar words 5 **1**12 Accumulation dates recorded on all hazardous waste containers 4 Small Quantity Generators: accumulate waste for ≤180 days 73 3 74 All containers stored in a manner to allow easy daily inspection R 75 Secondary containment or floor drain covers provided R DRY CLEANING EQUIPMENT 76 Dry cleaning machine(s) and equipment is free of leaks 5 77 Machine doors are kept closed except when loading and unloading 3 78 Cartridge filters are drained in their housings or a sealed container 4 for at least 24 hours 79 Solvent mileage tracked (pounds of garments per gallon of perc) R 80 Preventive maintenance program in place R 81 Dry cleaning equipment efficiency is optimized R 82 Wet cleaning used whenever possible R 83 Transfer machines are being replaced R 84 Recovering solvent vapors using carbon adsorbers or refrigerated R 85 Recover waste solvent using a still or muck cooker Weight (Wt): 5-Most serious, correct these defects immediately; 3-Medium priority; 1-Lower priority, correct these defects after all others are corrected

	RAL WORK AREA	W
86	Exhaust fan installed and operational in restroom(s)	3
(87)	Paper towels provided in restroom(s)	4
(88)	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
904	IOSHA workplace poster displayed where all employees will see it	3
(91)	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
93)	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	1 2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R
LECT	RICAL	
99	Switches, receptacles, fittings, and junction boxes covered properly	3
(00)	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
	Clarible cords and orbits are free of ordinar and the	3
104	Flexible cords and cables are free of splices and taps	J

	
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3838 N. Rural St. Indianapolis, Indiana 46205 (317) 541-2270

February 13, 1995

Certified Mail:

Owner Charles Dodson 3819 W. Michigan Road Indianapolis, IN 46222

DENA

Dear Sir or Madam:

Upon reinspection on January 17, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until March 03, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by March 03, 1995. Defects remaining to be corrected are:

Chapter & Section

Observed Defects and Suggested Corrections



No written bazard communication program.

Establish a written hazard communication program that includes Material Safety Data Sheets for all the hazardous substances on-site, a list of those hazardous substances, a description of the proper labeling of containers, provisions for employee training on hazardous substances, and a list of non-routine tasks that involve hazardous substances. The sample hazard communication program that we previously sent to you can be used as a guide, but your plan must be specific for your plant.



No written hazardous energy control program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during—cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

Chapter & Section 9-307

Observed Defects and Suggested Corrections

No emergency action plan.

Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.

In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.

For employers with 10 employees or less, the emergency action plan does not need to be in writing, but it must be communicated orally to the employees. Employers with more than 10 employees must establish a written emergency action plan.

19-307

Annual running total of perchloroethylene consumption not available.

Calculate and record your annual running total of perchloroethylene consumption on the first working day of every month. For instance, on November 1, 1994, you should have added the number of gallons of perc you purchased between November 1, 1993 and November 1, 1994. If you have not kept track of your perc consumption, estimate it and note that it is estimated number.

Whiten lonof weekly or biweekly leak detection and repair program is not available.

Keep a written log of your weekly or biweekly leak detection and repair program on-site.

Hazardous waste manifests for last the three years are not available HE only has manifest for Pariod of time that he has provide hazardous waste manifests for the last three years.

Spotters are not trained on the hazards of all the spotting selvents.

Train all spotters on the hazards of all the spotting solvents that they use. This should be a part of your written hazard communication program.

Aeountulation dates are not recorded on containers of hazardous waste.

Record on all containers of hazardous waste the date when hazardous waste was first placed in that container.

Restroom(s) does not have paper towers.

Provide paper towels in restroom(s).

Hot water is not available in restroom(s).

Provide hot water in restroom(s). The temperature of the water should not excede 120 degrees Farenheit.

19-307

IOSHA workplace poster is not displayed in a prominent location where employees are likely to see it.

Display IOSHA workplace poster in a prominent location where employees are likely to see it. To receive a free Job Safety and Health Protection Poster call the Bureau of Safety Education and Training at 232-6942.

Chapter & Section



Observed Defects and Suggested Corrections

Doorways are not marked or labeled properly. LAND LORD

Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT."



Missing, inadequate or defective guard(s) on chain(s), belt(s), gear(s) or fan blade(s).

Repair/replace all missing, defective or inadequate guards. All energized parts of equipment is to be guarded against contact by approved enclosures. All fan blades within 7 feet of the floor must be protected with a guard having openings no larger than 1/2 inch. All machinery guards must be secure and so arranged that they do not pose a hazard in their use.

19-404/307

Extension cords are used as permanent wiring.

Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.

Corrective actions must be completed by March 03, 1995. If you have any questions, please call me at 541-2270. Sincerely,

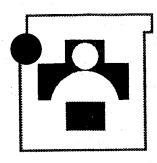
Gregory L. Spears
Environmental Health Specialist III
epartment of Water Quality and
azardous Materials Management
Bureau of Environmental Health

	MARION COUNTY HEALTH DEPARTM	MENT	T: DRY	CLEANER INSPECTION CHECKLIST	
Establi			3/6/9		(R)
Vqqtaa				PLES Dodson Building: Free Standing (F)	,,
Addres	estalling to a 2/5 the control of th		OWNE		i (C)
		nspecto		PEARS Attached Residential (F	
	RD COMMUNICATION PROGRAM	Wt.	NESH/		Wt.
01	Written program available	3	38	Perc purchase receipts for last 12 months available	4
02	Contains an MSDS for all hazardous substances on-site	+	(39)	Annual running total of perc consumption calculated: gallyr	3
03	Contains all thought for all hazardous substances on-site		40	# of dry cleaning machines: Dry to dry Transfer Coin	Ор
04	Indicates who is responsible for maintaining MSDSs	 	41	Source category: Small area Large area Major	
05	Explains the proper labeling of containers	\mathbf{H}	42	Facility type: New (on or after Dec 9, 1991) Existing	
06	Explains how to respond to non-routine tasks	H	43	Sent "Initial Notification Reporting Requirements for Perc Dry	2
07	Documents training of employees (recommended only)	R	15	Cleaning Facilities" form to the EPA or IDEM	-
	EN RESPIRATOR PROGRAM	in the same	44	Sent "Compliance Report for Pollution Prevention" to EPA or IDEM	2
08	Personal air monitoring has been performed (required in plants with	4	45	Owners manuals for all dry cleaning equipment available	2
00	transfer machines, recommended for all others)		46	Written log of leak detection and repair program available (weekly	3
09	Written respirator program available (required if exposed to > 100	3	1 40	for Existing Large Area Sources; biweekly for all others)	
03	ppm TWA or > 200 ppm STEL or if respirators are on-site)		47	All repairs made within 24 hours, or parts ordered within 2 days	3
10	Explains the proper usage and limitations of respirators	1	"	and repairs made within 5 days of receipt of the parts	
11	Requires medical surveillance	1	NEW	SMALL AREA AND NEW LARGE AREA SOURCES	•
12	Requires the use of NIOSH approved respirators	1	48	All new machines (manufactured after Dec 9, 1991) are closed-	5
13	Requires regular inspection and cleaning of respirators	$\frac{1}{1}$		loop, refrigerated dry-to-dry machines	
14	Respirators are stored properly and are in good condition		49	Records available of weekly measurements of the exhaust on the	3
	EN EXPOSURE CONTROL PLAN	لنبا		outlet side of all refrigerated condensers (must be <45° F)	
15	Written Exposure Control Plan available (required if employees	3	EXIST	ING LARGE AREA SOURCES	
'	handle laundry contaminated with bodily fluids)		50	Submitted "Compliance Report for Control Requirements" to EPA	
16	Includes a copy of the standard and explains its contents	11		(not required until 10/23/96, but must comply with the following if	
	Explains universal precautions	+++		they have submitted this report)	
	Employees are trained on the symptoms of bloodborne diseases and	11	51	If using a refrigerated condenser on a washer, records available of	3
	modes of transmission			weekly measurements of the inlet and outlet side of the	
19	Explains the selection, use, location, handling and disposal of PPE			refrigerated condenser (difference must be at least 20°F)	
20	Hepatitis B vaccination provided to employees free of charge	1	52	If using a refrigerated condenser on a dry-to-dry machine, reclaimer,	3
21	Explains the procedure to follow if an exposure occurs	2		or dryer, records available of weekly measurements of the exhaust outlet temperature of all refrigerated condensers (must be <45°F)	
22	Describes the signs, labels, and color coding of infectious waste	1	53	If using a carbon adsorber, records available of weekly	3
	containers		20	measurements of the concentration of perc in the carbon adsorber	
23	Documents training of affected employees initially and annually	2		exhaust. Must be taken using a detector tube while the machine is	ľ
	EN ENERGY CONTROL (LOCK-OUT/TAG-OUT) PROGRAM	لستسا		venting to the carbon adsorber at the end of the last dry cleaning	-
(24)	Written lock-out/tag-out program available	3		cycle prior to desorption (must be ≤100 ppm)	ĺ
25	Requires stored energy to be released or blocked before equipment		HAZAI	RDOUS WASTE DISPOSAL	
	is locked-out for repair		54	Generator status: 🖸 CESQG (< 220 lbs / month)	
26	Requires employees to check the lock-out by attempting a start	1		□ SQG (≥220 lbs / month, ≤2,200 lbs / month)	
	after lockout	1 1		□ LQG (> 2,200 lbs / month)	
27	Documents training of affected and authorized employees	1		If CESQG, 55-58 are recommendations only	
28	Requires that employees can be identified by their locks and tags	11	55	EPA Identification number:	5
29	Provides authorized employees with tags individually keyed locks	1	56	Waste manifests for last three years available	4
30	Requires authorized employees to keep possession of their individual	1	57	Licensed hazardous waste hauler used to transport waste	5
	keys during a lock-out procedure		58	Contingency plan for waste-related emergencies, including 24 hour	3
31	Identifies safe procedure for machines that cannot be locked-out or	1		contact (not required to be in writing for CESQG or SQG)	
	tagged-out		59	CESQG: recommend complying with 55-58	R
EMER	GENCY ACTION PLAN Number of employees:		PERC	HLOROETHYLENE STORAGE AREA	
(32)	EAP available <i>local if</i> < 10 employees) written if ≥10 employees)	3	60	All perc containers labeled with proper name and hazard warning	5
	Designates escape procedures and routes and employee accounting	1	61	All perc stored indoors in closed, non-leaking containers	5
	following an evacuation		62	1 Marie Landing and the Control of t	R
34	Describes means of reporting emergencies and lists emergency	1	63	Secondary containment or floor drain covers provided	R
<u> </u>	phone numbers		64	Spill plan in place to reduce loss and contamination during perc spills	R
35	Describes rescue and medical duties of employees		65	Perc transferred using spigots or pumps from properly vented	R
36	Addresses fires, chemical spills, tornadoes, blizzards, floods, and	1		containers directly to machines	
L	bomb threats	$\perp \perp$	66	Containers emptied completely before cleaning or disposal	R
37	All employees trained at least once (documentation not required)	111	67	Volume of perc stored on site is kept to a minimum	R

SPOTTING AREAS All containers are labeled with proper name and hazard warning 3 All spotters are trained on the hazards of all spotting solvents Wt. ZARDOUS WASTE STORAGE AREA All waste stored in a secure location in sealed, leak-proof containers 5 5 All containers labeled "Hazardous Waste" or with similar words 71 Accumulation dates recorded on all hazardous waste containers 4 72 3 73 Small Quantity Generators: accumulate waste for ≤180 days R 74 All containers stored in a manner to allow easy daily inspection R 75 Secondary containment or floor drain covers provided DRY CLEANING EQUIPMENT 5 Dry cleaning machine(s) and equipment is free of leaks Machine doors are kept closed except when loading and unloading 3 77 4 Cartridge filters are drained in their housings or a sealed container 78 for at least 24 hours R Solvent mileage tracked (pounds of garments per gallon of perc) 79 Preventive maintenance program in place R 80 R 81 Dry cleaning equipment efficiency is optimized R 82 Wet cleaning used whenever possible R Transfer machines are being replaced 83 R Recovering solvent vapors using carbon adsorbers or refrigerated condensers R Recover waste solvent using a still or muck cooker Weight (Wt): 5-Most serious, correct these defects immediately; 3-Medium priority; 1-Lower priority, correct these defects after all others are corrected

GENER	AL WORK AREA	Wt.
86	Exhaust fan installed and operational in restroom(s)	3
87	Paper towels provided in restroom(s)	4
88	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
90	IOSHA workplace poster displayed where all employees will see it	3
91)	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
93	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R
ELECT		* .
99	Switches, receptacles, fittings, and junction boxes covered properly	3
(100)	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

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3838 N. Rural St. Indianapolis, Indiana 46205 (317) 541-2270

March 09, 1995

Certified Mail:

Owner Charles Dodson 3819 W. Michigan Road Indianapolis, IN 46222

Dear Sir or Madam:

Upon reinspection on March 06, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until April 11, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by April 11, 1995. Defects remaining to be corrected are:

Chapter & Section

Observed Defects and Suggested Corrections

19-307

No written hazardous energy control program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

19-307

No emergency action plan.

Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.

In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.

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Chapter & Section

Observed Defects and Suggested Corrections

307

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19-307

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Training at 232-6942.

Doorways are not marked or labeled properly. 19-307

> Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT."

19-404/307

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Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.

Corrective actions must be completed by April 11, 1995. If you have any questions, please call me at 541-2270.

Sincerely,

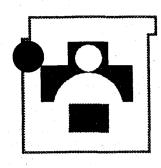
Gregory L. Spears

Environm ntal Health Specialist III Department of Water Quality and Hazardous Materials Management **Bureau of Environmental Health**

RECOMMENDATIONS

The following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the guidance documents that we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.





3838 N. Rural St. Indianapolis, Indiana 46205 (317) 541-2270

March 09, 1995

Certified Mail:

Owner Charles Dodson 3819 W. Michigan Road Indianapolis IN 46222

Dear Sir or Madam:

Upon reinspection on March 06, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until April 11, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by April 11, 1995. Defects remaining to be corrected are:

Chapter & Section

19-307

Observed Defects and Suggested Corrections

No written hazardous energy control program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

19-307

No emergency action plan.

Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.

In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.

For employers with 10 employees or less, the emergency action plan does not need to be in writing, but it must be communicated orally to the employees. Employers with more than 10 employees must establish a written emergency action plan.

Chapter & Secti n

Observed Defects and Suggested Corrections



Annual running total of perchloroethylene consumption not available

Calculate and record your annual running total of perchloroethylene consumption on the first working day of every month. For instance, on November 1, 1994, you should have added the number of gallons of perc you purchased between November 1, 1993 and November 1, 1994. If you have not kept track of your perc consumption, estimate it and note that it is estimated number.

19301 OK IOSHA workplace poster is not displayed in a prominent location where employees are likely to see it.

Display IOSHA workplace poster in a prominent location where employees are likely to see it. To receive a free Job Safety and Health Protection Poster call the Bureau of Safety Education and Training at 232-6942.

AL 19.007

Doorways are not marked or labeled properly.

Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT."

19-404/307

Extension cords are used as permanent wiring.

Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.

Corrective actions must be completed by April 11, 1995. If you have any questions, please call me at 541-2270.

Sinc rely,

Gregory L. Spears

Environmental Health Specialist III Department of Water Quality and Hazardous Materials Management Bureau of Environmental Health

RECOMMENDATIONS

The following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the guidance documents that we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

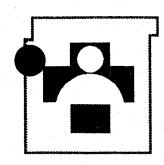
MARION COUNTY HEALTH DEPARTMENT: DRY CLEANER INSPECTION CHECKLIST Date: 4/18/95
Contact: CHALLET BOLSON Establishment: ACCENT DRY CLEANERS Reason: Initial (I) Recheck (R) Building: Tree Standing (F) Address: 3819 W. MICHIGAN Rd. 🗷 Attached Commercial (C) Title: TUNER State/Zip: INOPLS IN. 46222 ☐ Attached Residential (R) Number: 8 Inspector: SPEARS **HAZARD COMMUNICATION PROGRAM** Wt. **NESHAPS REQUIREMENTS** Perc purchase receipts for last 12 months available 4 3 Written program available 1 Annual running total of perc consumption calculated: 3 **(39** gallyr 02 Contains an MSDS for all hazardous substances on-site 03 Contains a list of all hazardous substances on-site 1 40 # of dry cleaning machines: Dry to dry Coin Op 1 41 Source category: Small area Large area Major 04 Indicates who is responsible for maintaining MSDSs Facility type: • New (on or after Dec 9, 1991) • Existing 42 05 Explains the proper labeling of containers 1 Sent "Initial Notification Reporting Requirements for Perc Dry 1 2 43 06 Explains how to respond to non-routine tasks Cleaning Facilities" form to the EPA or IDEM Documents training of employees (recommended only) R 07 44 Sent "Compliance Report for Pollution Prevention" to EPA or IDEM 2 WRITTEN RESPIRATOR PROGRAM 2 4 45 Owners manuals for all dry cleaning equipment available Personal air monitoring has been performed (required in plants with transfer machines, recommended for all others) Written log of leak detection and repair program available (weekly 3 3 for Existing Large Area Sources; biweekly for all others) Written respirator program available (required if exposed to > 10009 ppm TWA or > 200 ppm STEL or if respirators are on-site) All repairs made within 24 hours, or parts ordered within 2 days 3 47 1 and repairs made within 5 days of receipt of the parts Explains the proper usage and limitations of respirators 10 SMALL AREA AND NEW LARGE AREA SOURCES NEW 1 11 Requires medical surveillance All new machines (manufactured after Dec 9, 1991) are closed-5 1 12 Requires the use of NIOSH-approved respirators loop, refrigerated dry-to-dry machines 1 13 Requires regular inspection and cleaning of respirators Records available of weekly measurements of the exhaust on the 3 1 Respirators are stored properly and are in good condition outlet side of all refrigerated condensers (must be <45° F) WRITTEN EXPOSURE CONTROL PLAN **EXISTING LARGE AREA SOURCES** Written Exposure Control Plan available (required if employees 3 Submitted "Compliance Report for Control Requirements" to EPA handle laundry contaminated with bodily fluids (not required until 10/23/96, but must comply with the following if includes a copy of the standard and explains its contents 1 they have submitted this report) 1 Explains universal precautions If using a refrigerated condenser on a washer, records available of 3 51 1 Employees are trained on the symptoms of bloodborne diseases and 18 weekly measurements of the inlet and outlet side of the modes of transmission refrigerated condenser (difference must be at least 20°F) 1 19 Explains the selection, use, location, handling and disposal of PPE If using a refrigerated condenser on a dry-to-dry machine, reclaimer, 3 52 Hepatitis B vaccination provided to employees free of charge 1 20 or dryer, records available of weekly measurements of the exhaust 2 21 Explains the procedure to follow if an exposure occurs outlet temperature of all refrigerated condensers (must be <48°F) 22 1 Describes the signs, labels, and color coding of infectious waste If using a carbon adsorber, records available of weekly 3 measurements of the concentration of perc in the carbon adsorber 23 Documents training of affected employees initially and annually 2 exhaust. Must be taken using a detector tube while the machine is WRITTEN ENERGY CONTROL (LOCK-OUT/TAG-OUT) PROGRAM venting to the carbon adsorber at the end of the last dry cleaning cycle prior to desorption (must be ≤100 ppm) Written lock-out/tag-out program available 3 HAZARDOUS WASTE DISPOSAL 1 Requires stored energy to be released or blocked before equipment Generator status: ☐ CESQG (< 220 lbs / month) is locked out for repair □ SQG (≥220 lbs / month, ≤2,200 lbs / month) 1 26 Requires employees to check the lock-out by attempting a start □ LQG (> 2,200 lbs / month) If CESQG, 55-58 are recommendations only 1 27 Documents training of affected and authorized employees 55 **EPA Identification number:** 5 28 Requires that employees can be identified by their locks and tags 1 4 56 Waste manifests for last three years available 29 Provides authorized employees with tags individually keyed locks 1 Licensed hazardous waste hauler used to transport waste 5 57 Requires authorized employees to keep possession of their individual 1 30 3 Contingency plan for waste-related emergencies, including 24 hour 58 keys during a lock-out procedure contact (not required to be in writing for CESQG or SQG) Identifies safe procedure for machines that cannot be locked-out or 1 31 CESQG: recommend complying with 55-58 R tagged-out PERCHLOROETHYLENE STORAGE AREA EMERGENCY ACTION PLAN Number of employees: All perc containers labeled with proper name and hazard warning 5 EAP available (oral if < 10 employees, written if ≥10 employees) 3 5 All perc stored indoors in closed, non-leaking containers 61 Designates escape procedures and routes and employee accounting 1 R 62 All perc containers stored in a manner to allow easy daily inspection: following an evacuation Describes means of reporting emergencies and lists emergency Secondary containment or floor drain covers provided R 34 1 63 R Spill plan in place to reduce loss and contamination during perc spills phone numbers 64 35 Describes rescue and medical duties of employees 1 Perc transferred using spigots or pumps from properly vented R 65 36 Addresses fires, chemical spills, tornadoes, blizzards, floods, and 1 containers directly to machines Containers emptied completely before cleaning or disposal R bomb threats

POTT	ING AREAS	Wt
68	All containers are labeled with proper name and hazard warning	5
69	All spotters are trained on the hazards of all spotting solvents	3
AF	DOUS WASTE STORAGE AREA	
	All waste stored in a secure location in sealed, leak-proof containers	5
71	All containers labeled "Hazardous Waste" or with similar words	5
72	Accumulation dates recorded on all hazardous waste containers	4
73	Small Quantity Generators: accumulate waste for ≤180 days	3
74	All containers stored in a manner to allow easy daily inspection	R
75	Secondary containment or floor drain covers provided	R
RY C	LEANING EQUIPMENT	
76	Dry cleaning machine(s) and equipment is free of leaks	5
77	Machine doors are kept closed except when loading and unloading	3
78	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
79	Solvent mileage tracked (pounds of garments per gallon of perc)	R
80	Preventive maintenance program in place	R
81	Dry cleaning equipment efficiency is optimized	R
82	Wet cleaning used whenever possible	R
83	Transfer machines are being replaced	R
84	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R

* Weight (Wt): 5-Most serious, correct these defects immediate	ely; 3-Medium
priority; 1-Lower priority, correct these defects after all others	are corrected

ENER	AL WORK AREA	W
86	Exhaust fan installed and operational in restroom(s)	3
87	Paper towels provided in restroom(s)	4
88	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
90	IOSHA workplace poster displayed where all employees will see it	3
91	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
93	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R
LECTI	RICAL	
99	Switches, receptacles, fittings, and junction boxes covered properly	3
100)	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

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	Reinspe	ction.					
-							
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Marion County Health Department

3838 N. Rural St. Indianapolis, Indiana 46205 (317) 541-2270

April 19, 1995

Owner Charles Dodson 3819 W. Michigan Road Indianapolis, IN 46222

Dear Sir or Madam:

Upon reinspection on April 18, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until May 22, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by May 22, 1995. Defects remaining to be corrected are:

Chapter & Section

Observed Defects and Suggested Corrections

19-307

No written hazardous energy control program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or lock d-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

gk (19.367

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Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.

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Chapter & Section

307

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N 19-494/307

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Sincerely,

Gregory L. Spears

Environmental Health Specialist III D partment of Water Quality and Hazardous Materials Management Bureau of Environmental Health

Recommendations being ased: 62,66,67,74,79,80,82,84

RECOMMENDATIONS

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MARION COUNTY HEALTH DEPARTMENT: DRY CLEANER INSPECTION CHECKLIST Date: 5/30/95 Reason: Initial (I) Recheck (R) Establishment: Accent DRY Cleaners Contact: C. Dodson Building: Tree Standing (F) Address: 3819 W. MICHIGAN ST. Title: OWNER ■ Attached Commercial (C) tate/Zip: INOOK, IN 46222 Inspector: SPEARS Attached Residential (R) D Number: **NESHAPS REQUIREMENTS HAZARD COMMUNICATION PROGRAM** Wt. Wt. Written program available 3 Perc purchase receipts for last 12 months available 4 1 Annual running total of perc consumption calculated: 3 02 Contains an MSDS for all hazardous substances on-site 39 gallyr 03 Contains a list of all hazardous substances on-site 1 40 # of dry cleaning machines: Dry to dry Coin Op 1 04 Indicates who is responsible for maintaining MSDSs 41 Source category:

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Describes the signs, labels, and color coding of infectious waste If using a carbon adsorber, records available of weekly measurements of the concentration of perc in the carbon adsorber 23 Documents training of affected employees initially and annually 2 exhaust. Must be taken using a detector tube while the machine is WRITTEN ENERGY CONTROL (LOCK-OUT/TAG-OUT) PROGRAM venting to the carbon adsorber at the end of the last dry cleaning 3 cycle prior to desorption (must be ≤100 ppm) Written lock-out/tag-out program available **HAZARDOUS WASTE DISPOSAL** 1 25 Requires stored energy to be released or blocked before equipment Generator status: ☐ CESQG (< 220 lbs / month) is locked-out for repair □ SQG (≥220 lbs | month, ≤2,200 lbs | month) 1 Requires employees to check the lock-out by attempting a start □ LQG (> 2,200 lbs / month) after lockout If CESQG, 55-58 are recommendations only 27 Documents training of affected and authorized employees 1 55 5 **EPA Identification number:** 1 (28) Requires that employees can be identified by their locks and tags 56 Waste manifests for last three years available 4 1 (29) Provides authorized employees with tags individually keyed locks 57 Licensed hazardous waste hauler used to transport waste 5 1 Requires authorized employees to keep possession of their individual 58 Contingency plan for waste-related emergencies, including 24 hour 3 keys during a lock-out procedure contact (not required to be in writing for CESQG or SQG) Identifies safe procedure for machines that cannot be locked-out or 1 CESOG: recommend complying with 55-58 R tagged-out PERCHLOROETHYLENE STORAGE AREA **EMERGENCY ACTION PLAN** Number of employees: All perc containers labeled with proper name and hazard warning 60 5 EAP available (oral if < 10 employees, written if ≥10 employees) 3 61 All perc stored indoors in closed, non-leaking containers Designates escape procedures and routes and employee accounting 1 All perc containers stored in a manner to allow easy daily inspection R 62 following an evacuation 34 Describes means of reporting emergencies and lists emergency 1 63 Secondary containment or floor drain covers provided R phone numbers 64 Spill plan in place to reduce loss and contamination during perc spills R 35 Describes rescue and medical duties of employees 1 65 Perc transferred using spigots or pumps from properly vented R 1 containers directly to machines 36 Addresses fires, chemical spills, tornadoes, blizzards, floods, and bomb threats Containers emptied completely before cleaning or disposal R

POT	TING AREAS	Wt
68	All containers are labeled with proper name and hazard warning	5
69	All spotters are trained on the hazards of all spotting solvents	3
ZAI	RDOUS WASTE STORAGE AREA	
	All waste stored in a secure location in sealed, leak-proof containers	5
71	All containers labeled "Hazardous Waste" or with similar words	5
72	Accumulation dates recorded on all hazardous waste containers	4
73	Small Quantity Generators: accumulate waste for ≤180 days	3
74	All containers stored in a manner to allow easy daily inspection	R
75	Secondary containment or floor drain covers provided	R
RY C	LEANING EQUIPMENT	
76	Dry cleaning machine(s) and equipment is free of leaks	5
77	Machine doors are kept closed except when loading and unloading	3
78	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
79	Solvent mileage tracked (pounds of garments per gallon of perc)	R
80	Preventive maintenance program in place	R
81	Dry cleaning equipment efficiency is optimized	R
82	Wet cleaning used whenever possible	R
83	Transfer machines are being replaced	R
84	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R
85	Recover waste solvent using a still or muck cooker	R

GENER	AL WORK AREA	Wt.
86	Exhaust fan installed and operational in restroom(s)	3
.87	Paper towels provided in restroom(s)	4
88	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
90	IOSHA workplace poster displayed where all employees will see it	3
91	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
93	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R
ELECT	RICAL	
99	Switches, receptacles, fittings, and junction boxes covered properly	3
100	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

es:	These	P =	recommend A	TUDAS Are	Already	being 1	mplemented	<u>{</u>
At	the	Facil	ity:					
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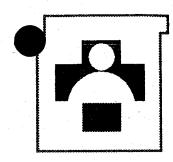
	MARION COUNTY HEALTH DEPART	MENI:	/-	CLEANER INSPECT		
Establi		Date:	7//	190	Reason: 🔾 Initial (I) 🕰 eche	ck (R)
Addres	is: 3819 WI MICHIGAN STO	Contact: (0500	Building: Free Standing (F)	
		Title:		SEX	Attached Commerc	
חשאר עו		Inspector:			_ Attached Residential	I (R)
HAZAF	D COMMUNICATION PROGRAM	Wt.		APS REQUIREMENTS	· · · · · · · · · · · · · · · · · · ·	Wt.
01	Written program available	3	38	Perc purchase receipts for la		4
02	Contains an MSDS for all hazardous substances on-site	1	39	Annual running total of perc o	consumption calculated: gal/yr	3
03	Contains a list of all hazardous substances on site	1.1	40	# of dry cleaning machines:		in Op
04	Indicates who is responsible for maintaining MSDSs	1	41	Source category: Small:		
05	Explains the proper labeling of containers	1	42	Facility type: 🚨 New (on or	after Dec 9, 1991) 🔲 Existing	
06	Explains how to respond to non-routine tasks	1	43	Sent "Initial Notification Rep	orting Requirements for Perc Dry	2
07	Documents training of employees (recommended only)	R		Cleaning Facilities" form to the	he EPA or IDEM	*
WRITT	EN RESPIRATOR PROGRAM		44	Sent "Compliance Report for	Pollution Prevention" to EPA or IDEM	2
08	Personal air monitoring has been performed (required in plants with	4	45	Owners manuals for all dry c	leaning equipment available	2
	transfer machines, recommended for all others)		46	Written log of leak detection	and repair program available (weekly	3
09	Written respirator program available (required if exposed to > 100	3		for Existing Large Area Source	ces; biweekly for all others)	
	ppm TWA or > 200 ppm STEL or if respirators are on-site)		47	All repairs made within 24 ho	ours, or parts ordered within 2 days	3
10	Explains the proper usage and limitations of respirators	1		and repairs made within 5 da	ys of receipt of the parts	
11	Requires medical surveillance	1	NEW S	SMALL AREA AND NEW LAF	RGE AREA SOURCES	
12	Requires the use of NIOSH-approved respirators	1	48	All new machines (manufacto	ured after Dec 9, 1991) are closed-	5
13	Requires regular inspection and cleaning of respirators	11		loop, refrigerated dry-to-dry r	machines	
14	Respirators are stored properly and are in good condition	11	49	Records available of weekly	measurements of the exhaust on the	3
	EN EXPOSURE CONTROL PLAN			outlet side of all refrigerated	condensers (must be ≤45° F)	
15	Written Exposure Control Plan available (required if employees	3	EXIST	NG LARGE AREA SOURCES		
	handle laundry contaminated with bodily fluids)	1 1	50	Submitted "Compliance Repo	ort for Control Requirements" to EPA	
	Includes a copy of the standard and explains its contents	11			but must comply with the following if	
	Explains universal precautions	11		they have submitted this repu		
18	Employees are trained on the symptoms of bloodborne diseases and	11	51		nser on a washer, records available of	3
	modes of transmission		4 1	weekly measurements of the		
19	Explains the selection, use, location, handling and disposal of PPE	11		refrigerated condenser (<i>differ</i>		
20	Hepatitis B vaccination provided to employees free of charge	+	52		nser on a dry-to-dry machine, reclaimer,	1 .
21	Explains the procedure to follow if an exposure occurs	2] [weekly measurements of the exhaust	
22	Describes the signs, labels, and color coding of infectious waste	++	<u>- </u>		igerated condensers (must be ≤45°F)	 _
	containers	1'1	53	If using a carbon adsorber, re		3
23	Documents training of affected employees initially and annually	2	. .		ntration of perc in the carbon adsorbering a detector tube while the machine is	
	EN ENERGY CONTROL (LOCK-OUT/TAG-OUT) PROGRAM				er at the end of the last dry cleaning	
24	Written lock-out/tag-out program available	3		cycle prior to desorption (mus		
25	Requires stored energy to be released or blocked before equipment	11	HAZAR	IDOUS WASTE DISPOSAL	31 20 1100 ppm,	
23	is locked-out for repair	'	54	Generator status: CESQG	G (< 220 lhe / month)	
26	Requires employees to check the lock-out by attempting a start	11	"		≥220 lbs / month, ≤2,200 lbs / month)	
20	after lockout	1'1			> 2,200 lbs / month)	
27	Documents training of affected and authorized employees	+++		If CESQG, 55-58 are recomm		
28	Requires that employees can be identified by their locks and tags	111	55	EPA Identification number:		5
<u> </u>		++	56	Waste manifests for last thre	ee vears available	4
29	Provides authorized employees with tags individually keyed locks		57		auler used to transport waste	5
30	Requires authorized employees to keep possession of their individual	1	58		related emergencies, including 24 hour	3
	keys during a lock-out procedure	+++	"	• • • • • • • • • • • • • • • • • • • •	writing for CESQG or SQG)	"
31	Identifies safe procedure for machines that cannot be locked-out or	11	59	CESQG: recommend complyi		R
EMEDI	tagged-out GENCY ACTION PLAN Number of employees:			LOROETHYLENE STORAGE		
22	EAP available (<i>oral if</i> < 10 <i>employees, written if</i> ≥ 10 <i>employees</i>)	3	60		rith proper name and hazard warning	5
	Designates escape procedures and routes and employee accounting	+	61	All perc stored indoors in clos		5
	l Designates escape procedures and routes and employee accounting following an evacuation]'	₽2)		a manner to allow easy daily inspection	
24	L	+-		Secondary containment or fle		R
34	Describes means of reporting emergencies and lists emergency phone numbers	[']	63)		oor man covers provided loss and contamination during perc spills	
35	Describes rescue and medical duties of employees	++	(84)			R
36	Addresses fires, chemical spills, tornedoes, blizzards, floods, and	$\frac{1}{1}$	85	containers directly to machin	ts or pumps from properly vented	l n
30	bomb threats		(00	***************************************		R
1	world directs	+	(4)	Politaniniz muhtiga coulhing	ely before cleaning or disposal	TO .

SPOTI	ING AREAS	Wt.
68	All containers are labeled with proper name and hazard warning	5
69	All spotters are trained on the hazards of all spotting solvents	3
ZAR	DOUS WASTE STORAGE AREA	
	All waste stored in a secure location in sealed, leak-proof containers	5
71	All containers labeled "Hazardous Waste" or with similar words	5
72	Accumulation dates recorded on all hazardous waste containers	4
73	Small Quantity Generators: accumulate waste for ≤180 days	3
14.5	All containers stored in a manner to allow easy daily inspection	R
Q 5	Secondary containment or floor drain covers provided	R
RY C	LEANING EQUIPMENT	
76	Dry cleaning machine(s) and equipment is free of leaks	5
77	Machine doors are kept closed except when loading and unloading	3
78	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
(9)	Solvent mileage tracked (pounds of garments per gallon of perc)	R
80	Preventive maintenance program in place	R
81_	Dry cleaning equipment efficiency is optimized	R
82	Wet cleaning used whenever possible	R
83	Transfer machines are being replaced	R
84	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R

priority; 1-Lower priority, correct these defects after all others are corrected

GENER	AL WORK AREA	Wt.
86	Exhaust fan installed and operational in restroom(s)	3
87	Paper towels provided in restroom(s)	4
88	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
90	10SHA workplace poster displayed where all employees will see it	3
91	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
93	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
(E)	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
9B	Recycling program in place for hangers and garment bags.	R
ELECT	RICAL	
99	Switches, receptacles, fittings, and junction boxes covered properly	3
100	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

es:	Compliance Reached
	Recommodations: 62-64, 66, 74, 75, 79, 80, 82,
	97,98.
:	
	
	en e



Marion County Health Department

3838 N. Rural St. Indianapolis, Indiana 46205 (317) 541-2270

June 07, 1995

Owner Charles Dodson 3819 W. Michigan Road Indianapolis, IN 46222

Dear Sir or Madam:

Upon reinspection on May 30, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until July 11, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by July 11, 1995. Defects remaining to be corrected are:

Chapter & Section	Observed Defects and Suggested Corrections
19-307	Hazardous energy program (lock-out / tag-out) does not require that authorized employees can be identified by their own locks and tags.
	Require in your hazardous energy program that authorized employees can be identified by their own locks and tags.
19-307	Hazardous energy program (lock-out / tag-out) does not provide authorized employees with tags and/or individually keyed locks.
	Provide authorized employees with tags and/or individually keyed locks.

Corrective actions must be completed by July 11, 1995. If you have any questions, please call me at 541-2270.

Sincer ly,

Gregory L. Spears

Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

RECOMMENDATIONS

The following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the guidance documents that we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

GENERAL MOTORS CORPORATION ALLISON PLANT 10 MEETING DISCUSSION ITEMS

1) BACKGROUND

- Prior to 1974
- GM purchases property for use as warehouse for excess equipment
- GM sells property
- Removal action

2) REMEDIAL INVESTIGATION

- Physical setting
- Groundwater use and flow direction
- Soil analytical results
- Groundwater analytical results
- Additional investigation

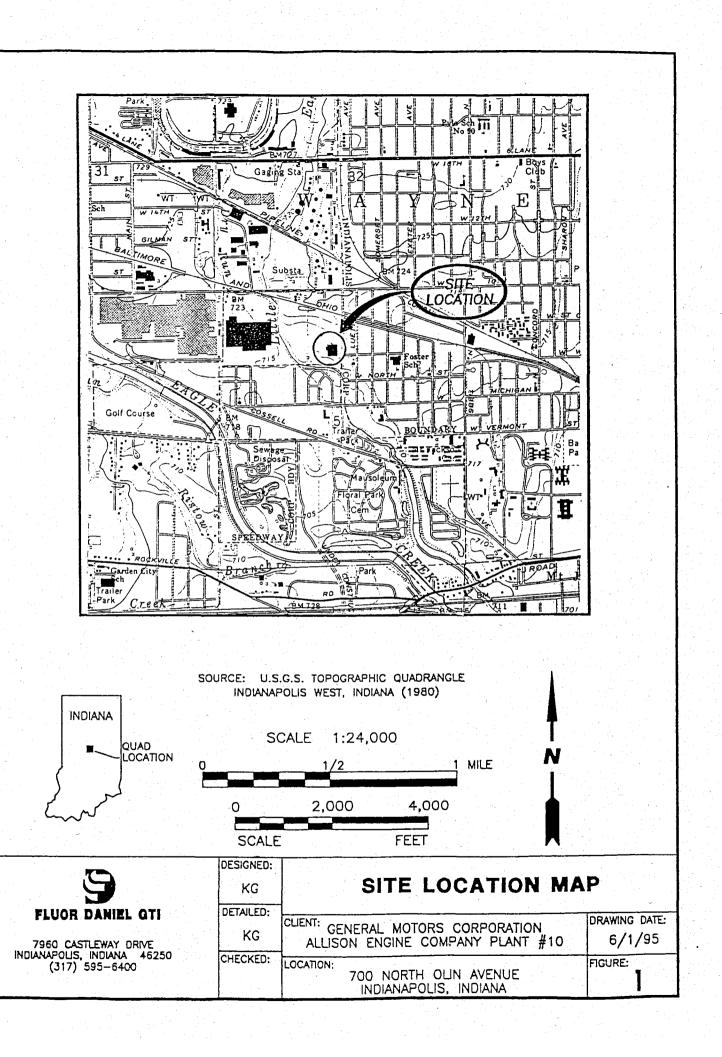
3) FEASIBILITY STUDY

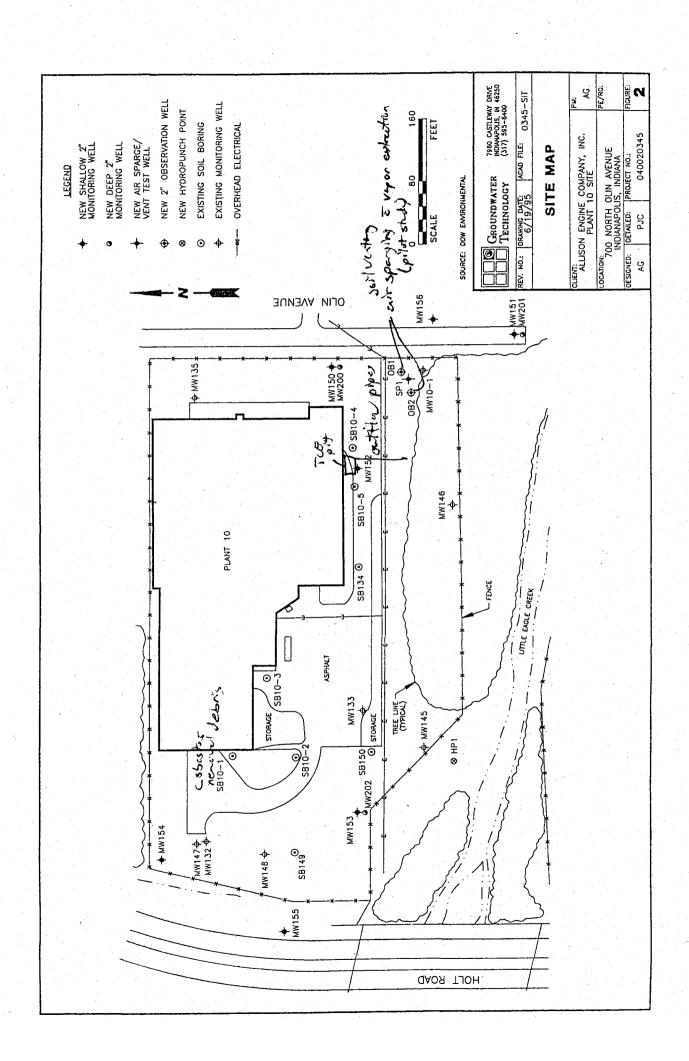
- Primary alternatives considered
 Pump and Treat, and SVE
 Air sparging and SVE
- Pilot Study
- 4) REMEDIAL DESIGN AND IMPLEMENTATION

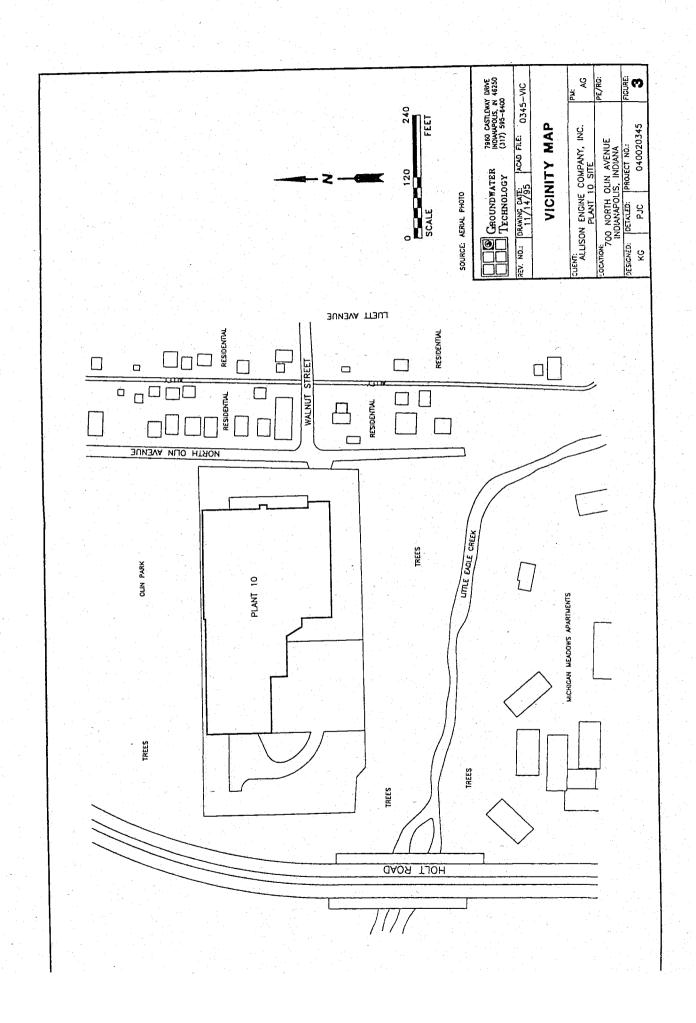
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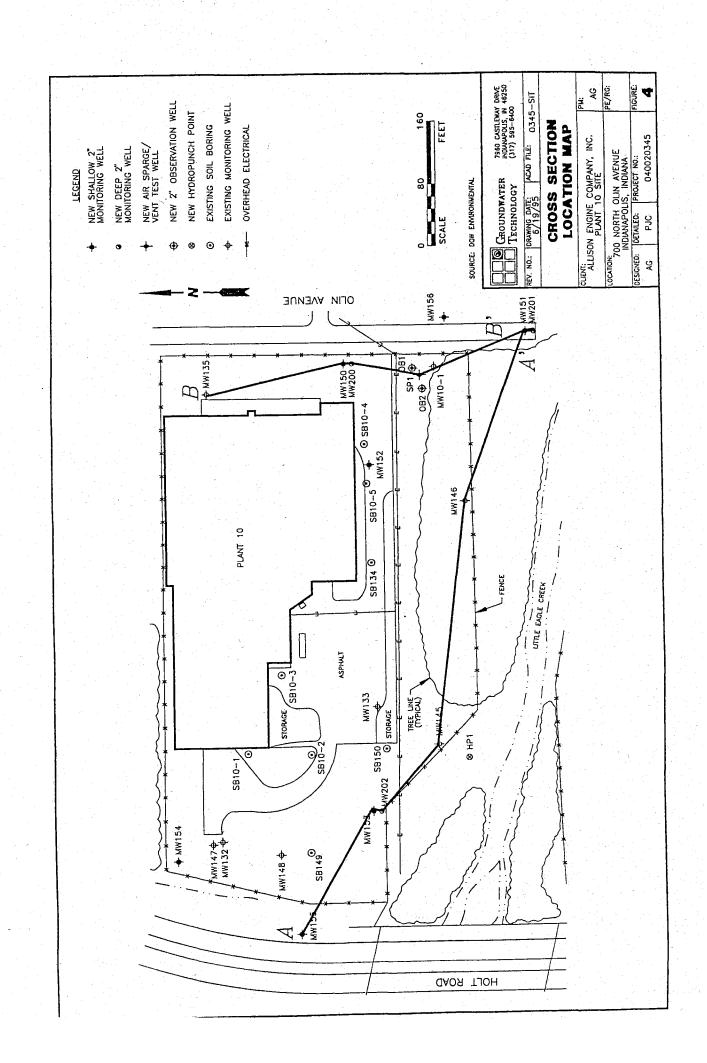
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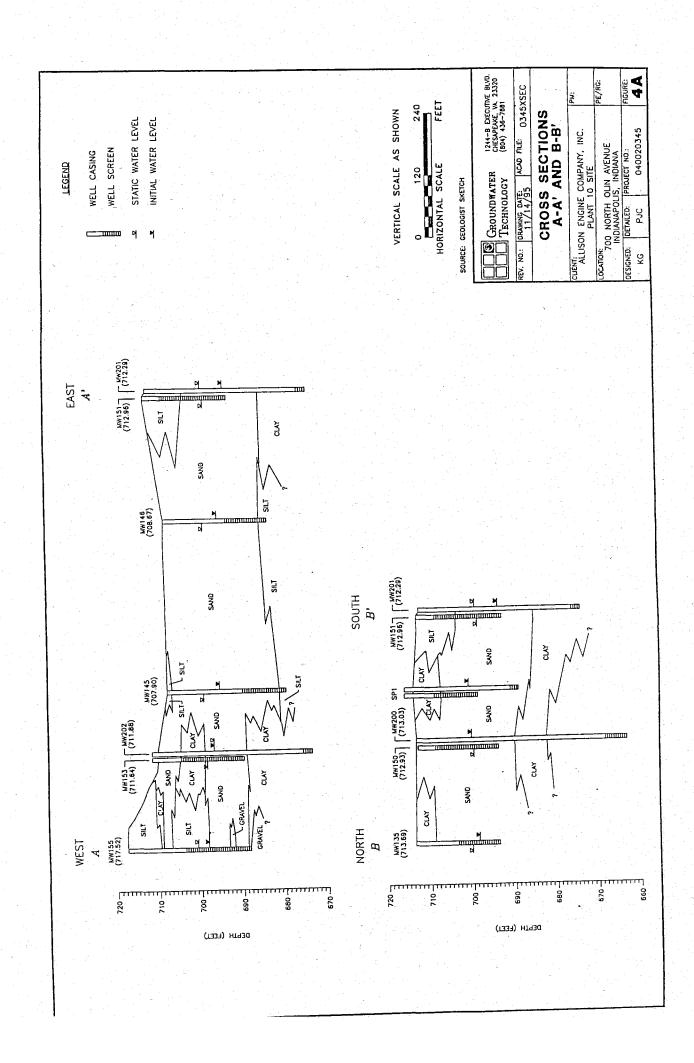
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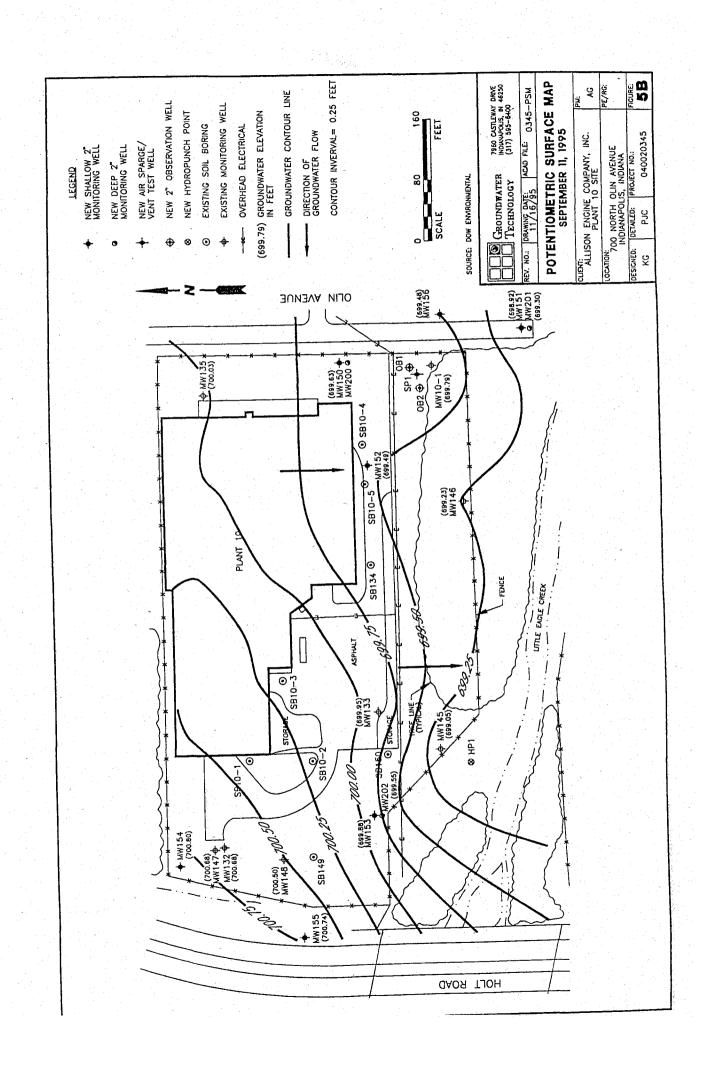


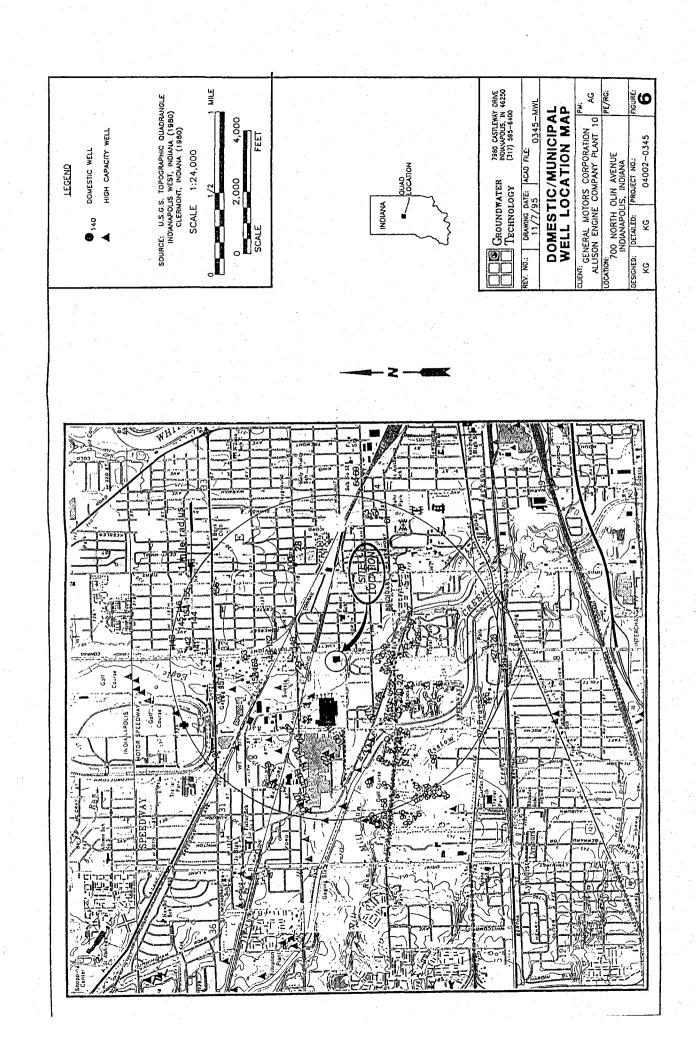


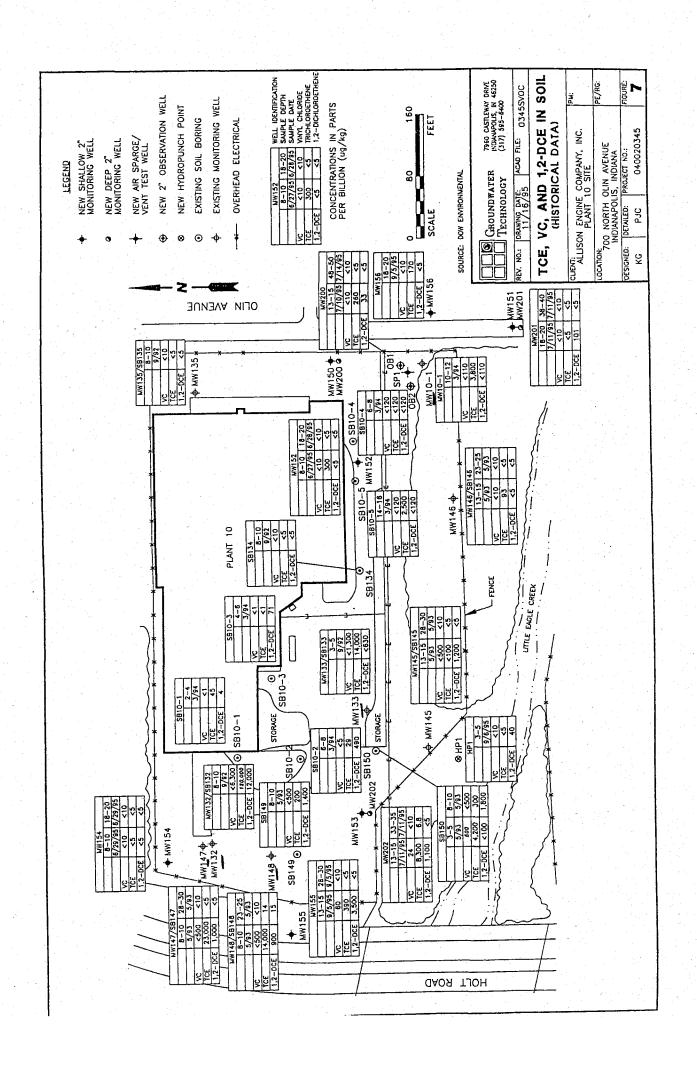


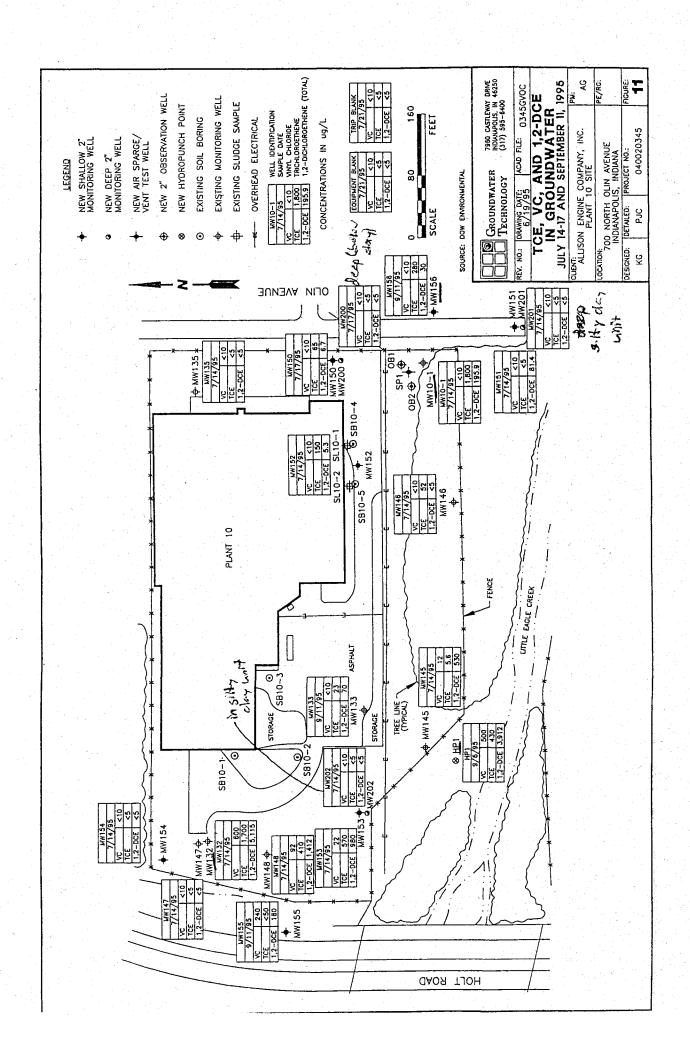












· Commitments Exchanged

- Journal Entry
- Thoughts & IdeasAgendas (telephone, meetings) Conversations

SEPTEMBER 1996 DAILY RECORD OF EVENTS



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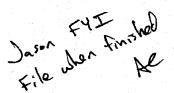


INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Frank O'Bannon
Governor

Lori F. Kaplan Commissioner



100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015 (317) 232-8603 (800) 451-6027 www.state.in.us/idem

January 13, 2000

Mr. Adam Carrol Health and Hospital Corporation of Marion County 3838 North Rural 5th Floor, Suite 520 Indianapolis, Indiana 46205

> Re: Notice of Voluntary Remediation Project Former Allison Engine Company, Plant 10 700 North Olin Avenue Indianapolis, Indiana VRP Site 6991004

Dear Mr. Carrol:

In an effort to communicate to your office information which may be of interest, the Indiana Department of Environmental Management (IDEM) is notifying you that IDEM's Voluntary Remediation Program (VRP) has accepted an application for a voluntary remediation project in your community. The site is known as the Former Allison Engine Company, Plant 10 as referenced above.

A copy of the application, and all information currently available, is available for public review at the VRP file room located at:

Indiana Department of Environmental Management Office of Land Quality File Room 2525 North Shadeland Avenue Indianapolis, Indiana 46206-6015 (317) 308-3023 If you have any questions, please contact me at (317) 308-3129 or at (800) 451-6027. You may also contact me in writing at:

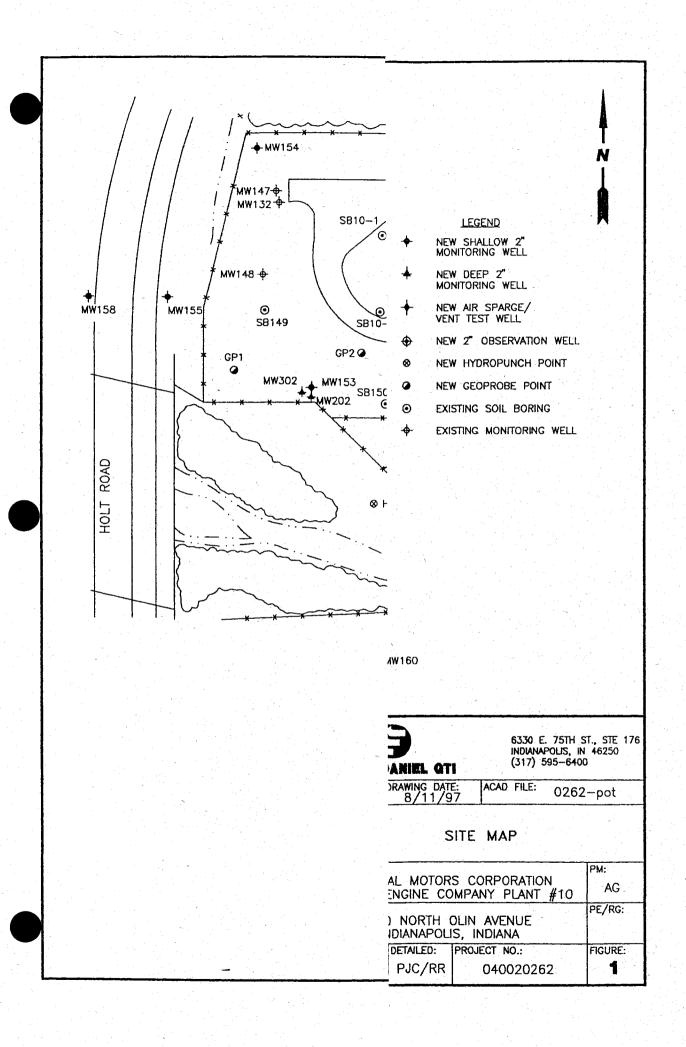
Voluntary Remediation Program 100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015

Sincerely,

Andrea Robertson, Project Manager Voluntary Remediation Program

Office of Land Quality

12/1999



MARION CO HD



Indiana Department of Environmental Management

We make Indiana a cleaner, healthier place to live

Evan Bayh Governor Michael O'Connor Commissioner 100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015 Telephone 317-232-8603 Environmental Helpline 1-800-451-6027

VIA CERTIFIED MAIL Z 339 936 246

November 26, 1996

Mr. Kevin Caraker
Allison Engine Co., Inc. Plant 10
700 North Olin Avenue

P.O. Box 420 Mail Stop N23 Indianapolis, Indiana 46206

Dear Mr. Caraker:

Re: Letter of Compliance

the topile

Hazardous Waste Management Compliance Evaluation Inspection Allison Engine Co., Inc. Plant 10 EPA I.D. No. IND 000 806 810 Indianapolis, Marion County

Representatives of the Department of Environmental Management (Department) are conducting inspections of facilities in Indiana that are engaged in the generation, transportation, treatment, storage, or disposal of hazardous waste. Facilities are being inspected to determine compliance with Indiana Code 13 (IC 13), "Environmental Management Act," and Indiana Administrative Code 329 IAC 3.1, "Hazardous Waste Management Permit Program and Related Hazardous Waste Management Requirements." These inspections and record reviews are also being conducted pursuant to the requirements of the Resource Conservation and Recovery Act (RCRA), Public Law 94-580, as amended, for authorized state hazardous waste management programs.

This is to inform you that on September 23, 1996, I conducted an inspection of Allison Engine Co., Inc. Plant 10, located at 700 North Olin Avenue. You represented your firm at this inspection.

Based on the information gathered during the inspection, it appears that your company does not generate a hazardous waste as defined by Subpart C of 40 CFR 261 and 329 IAC 3.1-3. This being the case, your company would not be subject to the hazardous waste rules. Our office will assume that you agree with this determination unless you inform us otherwise in writing. If your

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Letter of Compliance Allison Engine Co., Inc. Plant 10 Page 2

status should change in the future, please advise this office in writing so that we can update our records. If the above information is correct, your company has the option of removing itself from the hazardous waste management system entirely. If you wish to pursue this option, please contact this office for further information.

If you have further questions relative to this matter, please contact me at 317/233-2406.

Very truly yours, Luc & Smith

Lisa E. Smith

Compliance Inspector

Compliance Section

Hazardous Waste Compliance Branch

Solid and Hazardous Waste Management

LES

Enclosure

cc: Marion County Health Department

FAVERO GEOSCIENCES

1210 SOUTH 5TH STREET, SUITE 2 SPRINGFIELD, IL 62703 TEL - (217) 522-6714 FAX - (217) 522-6727

March 28, 1997

Mr. Ralph Luke
Indiana Department of Environmental Management
Emergency Response Section
2525 North Shadeland Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

RE: Incident Number 9412032

Allison Engine Company, Plant 10

700 North Olin Avenue

Indianapolis, IN

Dear Mr. Luke:

This correspondence is submitted on behalf of General Motors Corporation (GM). Thank you for arranging the meeting regarding the above incident with a representative of your group on September 26, 1996. I am sorry you were not able to attend the meeting.

This correspondence is a follow-up to that September 26, 1996 meeting and is provided in an effort to keep you informed of additional information obtained regarding the environmental conditions at the site. At the September 26, 1996 meeting we discussed GM's intentions to perform additional investigation at and in the vicinity of the above referenced site. The additional investigation included sampling of nearby Little Eagle Creek, additional on-site soil sampling, installation of additional on- and off- site monitoring wells, and an additional round of groundwater monitoring. The Marion County Health Department (MCHD) also agreed to perform a well survey in the area south and east of the site.

The sampling of the creek was performed on October 4, 1996 and again on February 10, 1997 by employees of Fluor Daniel GTI. The creek samples were analyzed for Volatile Organic Compounds (VOCs) by Method 8240B. For the October 1996 sampling event there were no VOCs detected in the upstream sample (ST-1), while cis-1,2-Dichloroethene (cis-DCE) was detected at 17 µg/L in the sample collected from south of the site (ST-2), and at 14 µg/L in the sample collected downstream from the site. There were no VOCs detected in the trip blank. Stream flow volume (discharge) during the October sampling event was relatively low, estimated at from 4 to 8 cubic feet per second (cfs). For comparison, the reported October stream flow from the period 1965 to 1995 for a stream gauging station approximately 1.2 miles upstream from the site ranges from 0.81 to 88.9 cfs with a mean of 11.1 cfs. A Figure illustrating the sampling locations and the analytical results is enclosed for your reference.

Because of the detection of cis-DCE in the stream samples in October, samples were again collected in February 1997 from approximately the same locations in the creek. There were no VOCs detected from the analysis of these samples. The estimated stream flow at the time of sampling was approximately 22 cfs. The reported February stream flow from the period of 1965 to 1995 for the gauging station approximately 1.2 miles upstream ranges from 3.82 to 75.5 cfs with a mean discharge of 30.4 cfs.

As the concentrations of cis-DCE detected in October 1996 are below its drinking water standard of 70 µg/L (we understand that there is no Indiana surface water quality criteria for cis-DCE), we do not believe that these results merit any immediate action other than the resampling which was performed and described above. The October results represent near worst case conditions and based on the detected concentrations and stream discharge, detectable concentrations of cis-DCE are likely only present in the creek a small percentage of a given year.

Additional on-site soil sampling did not identify any specific source areas for VOCs in the vadose zone. However, the results further demonstrated the migration of VOCs in the groundwater toward the creek in the southwest portion of the site. A Figure illustrating the sampling locations and the analytical results is enclosed for your reference.

The installation of additional on- and off-site monitoring wells was completed in January 1997. All new and existing monitoring wells were sampled on February 5 and 6, 1997. These results indicate that the extent of VOC contamination of the groundwater is defined in all directions, including vertically, except to the east-southeast of the site. MW157, which is the monitoring well located the farthest east from the site, contained concentrations of Trichloroethene (TCE) greater than its drinking water standard. MW157 was resampled on February 26, 1997 to verify the previously detected TCE concentration. The resampling results also showed the detection of TCE above its drinking water standard. A Figure illustrating the sampling locations and the analytical results is enclosed for your reference. Also enclosed is a Figure illustrating the groundwater potentiometric surface and resulting groundwater flow.

In response to the observed TCE concentration in MW157, GM will instruct Fluor Daniel GTI to install and sample two additional monitoring wells east and south of MW157. The enclosed Vicinity Map illustrates preliminary locations. It is hoped that these wells will allow for the determination of the extent of groundwater impacted above drinking water standards by VOCs.

As discussed during our September 26, 1996 meeting, the MCHD performed a well survey in the vicinity of the plant. The only well identified from the survey is at 709 North Olin Avenue and is identified on the enclosed Vicinity Map. A representative of the MCHD also sampled the well and the sample was analyzed for VOCs among other parameters. No VOCs were detected in the sample and all parameters analyzed were below drinking water standards. MCHD also indicated

that they would sample the well periodically and analyze the samples for VOCs in order to verify that the water from the well does not become impacted by VOCs.

Please contact me if you would like to discuss this matter further. Thank you.

Sincerely,

David M. Favero, CPG

Project Manager

Enclosures

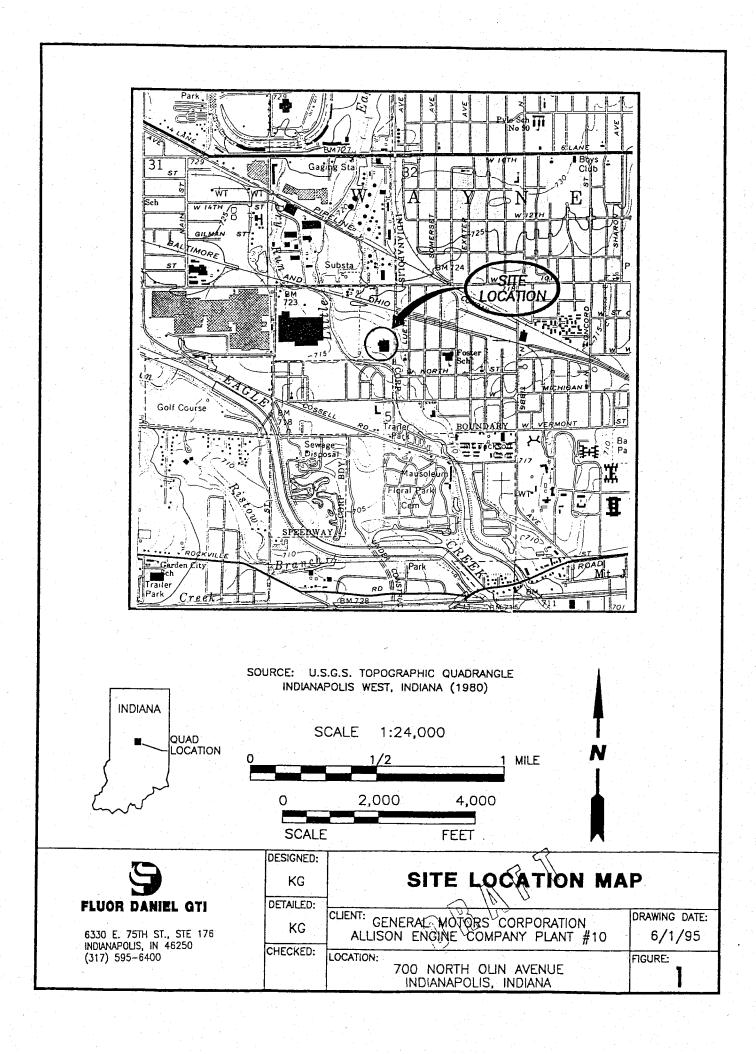
c: Paul Gilson, Marion County Health Department (with enclosures)

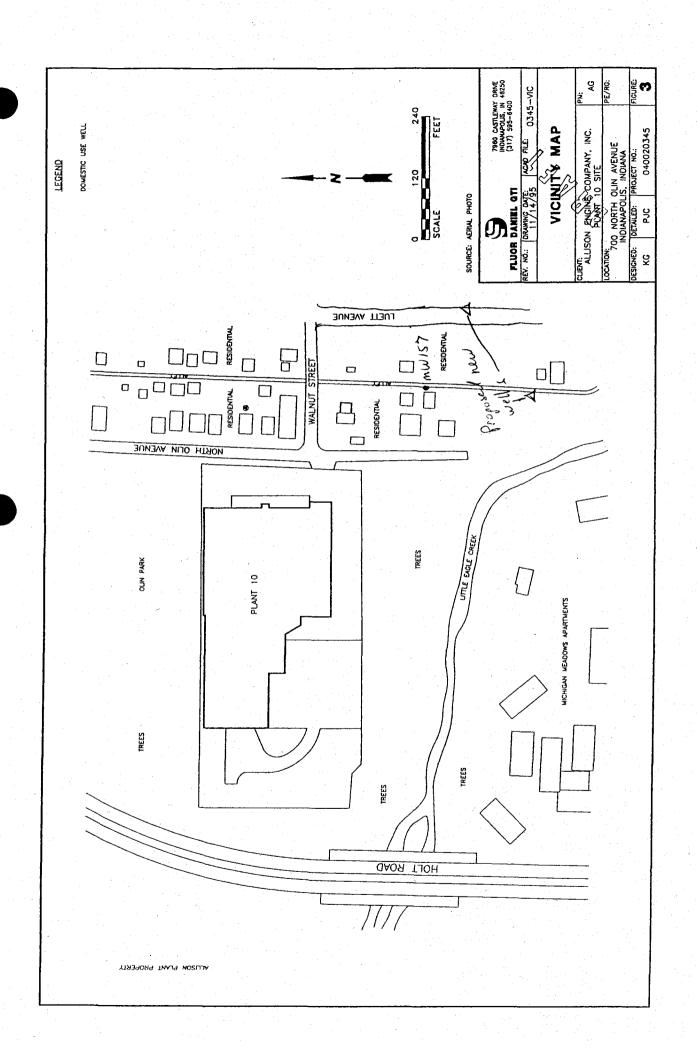
Joe Arnold, City of Indianapolis (with enclosures)

Pat Ellis, Allison Engine Company (with enclosures)

Marilyn Dedyne, GM WFG Remediation Team (with enclosures)

Mark Hester, GM Legal Staff (with enclosures)





-	Field Shee	et - initiai ilispe	:CHUII	
	áte: 3/21/97	Complainant	Information	Marion County Health
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Suite: Co. Name: Allison Engine	Co. Plt #10	Street Name: 75th ST. Street Type: STE 174	Street Suffix:	Management
	SLC GW	City Indpls, IN. 4		Phone:
		mpany name: Floure Daniels)		541-2270
595-8400				
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NATURE SAVER™ FAX MEMO 01616	Date 4/1(97 #of pages ▶ 1
TO Krista Gremos	From Adam Carroll
Co./Dept.Flour Daniels	CO. MCHD
Phone # 595-6420	Phone # 541-2272
Fax #	Fax #

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FAVERO GEOSCIENCES

1210 SOUTH 5TH STREET, SUITE 2 SPRINGFIELD, IL 62703

TEL - (217) 522-6714 FAX - (217) 522-6727

July 15, 1998

Ms. Julie D. Reed Marion County Health Department Bureau of Environmental Health 3838 North Rural Street Indianapolis, IN 46205

RE: Incident Number 9412032

Allison Engine Company, Plant 10

700 North Olin Avenue

Indianapolis, IN

Dear Ms. Reed:

This correspondence is submitted on behalf of General Motors Corporation (GM) in response to your request for the results of the sampling from monitoring wells installed to delineate the extent of groundwater containing volatile organic compounds (VOCs) south and east of the Plant. The last update was provided to you in a March 28, 1997 correspondence.

Pursuant to the data presented in the March 28, 1997 update, GM instructed Fluor Daniel GTI to / plaid install and sample two additional monitoring wells east and south of MW157 (Figure 1). The decim purpose of these wells was to determine the horizontal extent of groundwater containing VOCs above their drinking water maximum contaminant levels (MCLs). The wells, designated MW-159 and MW-160, were installed a No. 7, 1007 159 and MW-160, were installed on May 5, 1997 and were sampled on May 15, 1997. The samples were analyzed for VOCs using Method 8240. The analytical results indicated that all VOCs were below detection limits in MW-159 and all VOCs with the exception of trichloroethene at 13 µg/L, were below detection limits in MW-160. The laboratory report is included as Attachment 1. The analytical results from the samples collected from the two new off-site monitoring wells demonstrate that for all practical purposes the extent of groundwater containing VOCs above their MCLs is defined.

IS NOT TOE

As you know, your Department's periodic sampling and analysis of the only identified private well in the downgradient vicinity of the Plant has not detected any VOCs.

Be advised that GM only used the Plant for a warehouse for surplus equipment and never used or stored chlorinated solvents at the Plant. Therefore GM evaluated historical Plant ownership and use in an attempt to identify any parties that may have used or stored chlorinated solvents at the Plant. GM identified a successor of a former Plant owner that used chlorinated solvents as a part

1CL'S

of its business. At this time GM has entered into negotiations with that successor to perform necessary additional remediation activities.

Either GM or the successor will provide you with an update when significant activities are completed. Please contact me if you would like to discuss this matter further. Thank you.

Sincerely,

David M. Favero, CPG

Project Manager

Attachments

Figure 1 – Site Map

Attachment 1 – Laboratory Report

c: Ralph Luke, IDEM Emergency Response Section (with attachments)
Joe Arnold, City of Indianapolis (with attachments)
Pat Ellis, Allison Engine Company (with attachments)
Marilyn Dedyne, GM WFG Remediation Team (with attachments)
Mark Hester, GM Legal Staff (with attachments)



Midwest Region

4211 May Avenue Wichita, KS 67209 (316) 945-2624 (800) 633-7936 (316) 945-0506 (FAX)

May 30, 1997

Andrew Gremos Fluor Daniel GTI, Inc. 6330 E. 75th St. Suite 176 Indianapolis, IN 46250

RECEIVED JUN - 2 1997

RE: NEI/GTEL Client ID:

Login Number:

010210261 W7050275

Project ID (number):

010210261

Project ID (name):

GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Dear Andrew Gremos:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 05/17/97.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by NEI/GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This report is to be reproduced only in full.

NEI/GTEL is certified by the State of Kansas under Certification Number E-10103.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely.

NEI/GTEL Environmental Laboratories, Inc.

Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS Volatile Organics

NEI/GTEL Client ID: 010210261 Login Number: W7050275

Project ID (number): 010210261 Method: EPA 8240B Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN Matrix: Aqueous

NEI/GTEL Sample Number	W7050275-01	W7050275-02	• •	••
Client ID	MW-160	MW-159		er en
Date Sampled	05/15/97	05/15/97		••
Date Analyzed	05/22/97	05/22/97	• •	•••
Dilution Factor	1.00	1.00		

	Reporting				
Analyte	Limit	Units	Co	oncentration:	
Chloromethane	10.	ug/L	< 10.	< 10.	
Bromomethane	10.	ug/L	< 10.	< 10.	
Vinyl chloride HcL= 2.0	10.	ug/L	< 10.	< 10.	T- T-
Chloroethane	10.	ug/L	< 10.	< 10.	
Methylene chloride	5.0	ug/L	< 5.0	< 5.0	
Acetone	20	ug/L	< 20.	< 20.	
Carbon disulfide	5.0	ug/L	< 5.0	< 5.0	
1,1-Dichloroethene	5.0	ug/L	< 5.0	< 5.0	*
1.1-Dichloroethane	5.0	ug/L	< 5.0	< 5.0	
cis-1,2-Dichloroethene	5.0	ug/L	< 5.0	< 5.0	
trans-1.2-Dichloroethene	5.0	ug/L	< 5.0	< 5.0	7.7
Chloroform	5.0	ug/L	< 5.0	< 5.0	
1.2-Dichloroethane	5.0	ug/L	< 5.0	< 5.0	
2-Butanone	20.	ug/L	< 20.	< 20.	
1,1,1-Trichloroethane	5.0	ug/L	< 5.0	< 5.0	
Carbon tetrachloride	5.0	ug/L	< 5.0	< 5.0	
Vinyl acetate	20.	ug/L	< 20.	< 20.	
Bromodichloromethane	5.0	ug/L	< 5.0	< 5.0	
1,2-Dichloropropane	5.0	ug/L	< 5.0	< 5.0	2- 2-
cis-1.3-Dichloropropene	5.0	ug/L	< 5.0	< 5.0	
Trichloroethene	5.0	ug/L	13.	< 5.0	
Dibromochloromethane	5.0	ug/L	< 5.0	< 5.0	
1.1.2-Trichloroethane	5.0	ug/L	< 5.0	< 5.0	
Benzene	5.0	ug/L	< 5.0	< 5.0	
2-Chloroethylvinyl ether	10.	ug/L	< 10.	< 10.	
trans-1,3-Dichloropropene	5.0	ug/L	< 5.0	< 5.0	· · · · · · · · · · · · · · · · · · ·
Bromoform	5.0	ug/L	< 5.0	< 5.0	
4-Methyl-2-pentanone	20.	ug/L	< 20.	< 20.	, , , , , , , ,
2-Hexanone	20.	ug/L	< 20.	< 20,	
Tetrachloroethene	5.0	ug/L	< 5.0	< 5.0	
1,1,2,2-Tetrachloroethane	5.0	ug/L	< 5.0	< 5.0	••
Toluene	5.0	ug/L	< 5.0	< 5.0	
Chlorobenzene	5.0	ug/L	< 5.0	< 5.0	#
Ethylbenzene	5.0	ug/L	< 5.0	< 5.0	
Styrene	5.0	ug/L	< 5.0	< 5.0	
Xylenes (total)	5.0	ug/L	< 5.0	< 5.0	
1,2-Dichlorobenzene	10.	ug/L	< 10.	< 10.	
1,3-Dichlorobenzene	10.	ug/L	< 10.	< 10.	
1.4-Dichlorobenzene	10.	ug/L	< 10.	< 10.	
NEI/GTEL Wichita, KS			n		
W7050275			Page: 1		

ANALYTICAL RESULTS Volatile Organics

NEI/GTEL Client ID: 010210261

Login Number: Project ID (number): 010210261

W7050275

Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Method: EPA 8240B Matrix: Aqueous

NEI/GTEL Sample Number	W7050275-01	W7050275-02	• •	•••
Client ID	MW-160	MW-159	. .	••
Date Sampled	05/15/97	05/15/97	•••	• •
Date Analyzed	05/22/97	05/22/97		• •
 Dilution Factor	1.00	1.00	<u></u>	

Reporting

Analyte Limit Units

Concentration:

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 82408:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update II.

NEI/GTEL Wichita, KS W7050275

Page: 2

NEI/GTEL Client ID: 010210261 QUALITY CONTROL RESULTS

Login Number:

Project ID (name):

W7050275 Project ID (number): 010210261

GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Volatile Organics Method: EPA 8240B

Matrix: Aqueous

Method Blank Results

QC Batch No: Date Analyzed:

052297JK-1 22-MAY-97

Date Analyzed:	22-MAY-97	
Analyte	Method:EPA 8240B	Concentration: ug/L
Chloromethane	< 10.0	
Bromomethane	< 10.0	
Vinyl chloride	< 10.0	
Chloroethane	< 10.0	
Methylene chloride	< 5.00	
Acetone	< 20.0	
Carbon disulfide	< 5.00	
1.1-Dichloroethene	< 5.00	
1,1-Dichloroethane	< 5.00	
cis-1,2-Dichloroethene	< 5.00	
trans-1,2-Dichloroethene	< 5.00	
Chloroform	< 5.00	
1,2-Dichloroethane	< 5.00	
2-Butanone	< 20.0	
1.1.1-Trichloroethane	< 5.00	
Carbon tetrachloride	< 5.00	
Vinyl acetate	< 20.0	
Bromodichloromethane	< 5.00	
1.2-Dichloropropane	< 5,00	
cis-1,3-Dichloropropene	< 5.00	
Trichloroethene	< 5.00	
Dibromochloromethane	< 5.00	
1,1,2-Trichloroethane	< 5.00	
Benzene	< 5.00	
2-Chloroethyl vinyl ether	< 10.0	
trans-1.3-Dichloropropene	< 5.00	
Bromoform	< 5.00	
4-Methyl-2-pentanone	< 20.0	
2-Hexanone	< 20.0	
Tetrachloroethene	< 5.00	
1.1.2.2-Tetrachloroethane	< 5.00	
Toluene	< 5.00	
Chlorobenzene	< 5.00	
Ethylbenzene	< 5.00	
Styrene	< 5.00	
Xylenes (Total)	< 5.00	
1,2-Dichlorobenzene	< 10.0	
1,3-Dichlorobenzene	< 10.0	
1.4-Dichlorobenzene	< 10.0	

Notes:

NEI/GTEL Wichita, KS W7050275:3

NEI/GTEL Client ID: 010210261 QUALITY CONTROL RESULTS

Login Number: W7050275 Project ID (number): 010210261

Volatile Organics Method: EPA 8240B

Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Matrix: Aqueous

Laboratory Control Sample (LCS) and Laboratory Control Duplicate Results

		Spike	LCS	LCS	LCS Duplicate	LCS Duplica	te	Acceptabi	lity Limits	
Analyte		Amount (Concentration	Recovery, %	Concentration	Recovery, %	RPD. %	RPD. %	Recovery %	
EPA 8240B	Units: ug/	L (QC Batch:0	52297JK-3						
1.1-Dichloroethe	ne	50.0	44.5	89.0	49.1	98.2	9.83	14	61-145%	
Trichloroethene		50.0	50.9	102.	50.4	101	0.985	14	71-120%	
Benzene		50.0	50.7	101.	50.9	102.	0.985	11	76-127%	
Toluene		50.0	49.5	99.0	51.2	102.	2.99	13	76-125%	
<u>Chlorobenzene</u>		50.0	49.3	98.6	51.3	103.	4.37	13	75-130%	

Notes:

NEI/GTEL Client ID: 010210261

QUALITY CONTROL RESULTS

Login Number:

W7050275

Project ID (number): 010210261

Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Volatile Organics Method: EPA 8240B

Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met

* = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune			NA NA
Initial Calibration			
Continuing Calibration			e-+
Surrogate Recovery	X	-	NA
Holding Time	X	- -	- -
Method Accuracy	X		
Method Precision	- -		
Blank Contamination	Χ		==, .

Comments:



FAVERO GEOSCIENCES

1210 SOUTH 5TH STREET, SUITE 2 SPRINGFIELD. IL 62703 TEL - (217) 522-6714 FAX - (217) 522-6727

7/15/91

THE TO:

TOO N. OUN OVE (ALLSON, Plant)

* 1304 H. Dun Que (PARATIMEN ON CO.)

Sorry for the delay in submitting this information.

Also, the detection limit for vinyl chloride will be at or below its MCL for any future monitoring.

Thank you.

David Faves

APPENDIX E

IPL Letter Regarding the Transformer

APPENDIX E

IPL Letter Regarding the Transformer



Attn: Leena Lothe Mundell & Associates 429 East Vermont Street Suite 200 Indianapolis, IN 46202

Dear Ms. Lothe,

This letter confirms that Indianapolis Power & Light Company (IPL) owns and maintains many distribution transformers within it's service territory, located in and around the city of Indianapolis, Indiana. These transformers have not been tested for PCB content and thus PPM PCB values are not available. In accordance with EPA Rule 40CFR Part 761, IPL treats all untested transformers as PCB Contaminated (50 - 499 PPM), but not PCB (500 or greater PPM).

IPL did not purchase PCB transformers for use on the distribution system, but a small portion of these transformers may contain low levels of PCB contamination. All transformers purchased since 1980 were manufactured without PCB. The only method to determine the true PCB content, if any, of a transformer is to extract a sample of the oil for laboratory analysis. This action would require an interruption of electric service for the customer(s) and would be performed at the customer's expense.

When an IPL owned transformer is discovered to be releasing oil, IPL will remove the transformer from service and perform a cleanup of any oil that escaped from the transformer. At that time, a sample of the oil from the transformer will be sent to a laboratory to determine the PCB content, if any, of that particular transformer.

Should you have any question, or desire pricing for additional services, you may call me directly at (317) 261-8959.

Sincerely,

Lawrence B. Rudolf

Transmission Operations Team

APPENDIX F

Wellhead Protection Area Proximity Determination

APPENDIX F

Wellhead Protection Area Proximity Determination



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan Commissioner 100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015 (317) 232-8603 (800) 451-6027 www.in.gov/idem

November 5, 2003

Leena Lothe Mundell & Associates, Inc. 429 East Vermont Street, Suite 200 Indianapolis, IN 46202

RE: Wellhead Protection Area Proximity Determination

3800 West Michigan Street Indianapolis, IN 46222

Dear Ms. Lothe:

Upon review of the above referenced site, it has been determined that the site **is not** within a Wellhead Protection Area.

If you have any additional questions, please feel free to contact me at the address above or at (317) 308-3281.

Sincerely,

James Sullivan, Chief Ground Water Section Drinking Water Branch Office of Water Quality



APPENDIX G

Property Record Cards

APPENDIX G

Property Record Cards

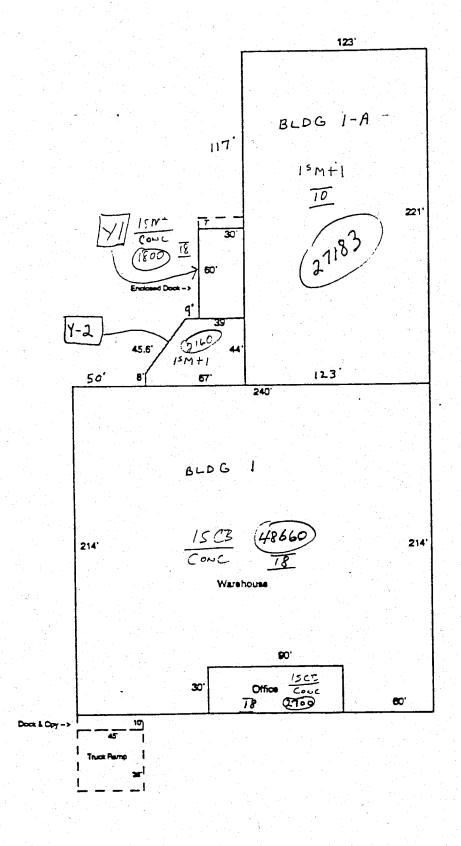
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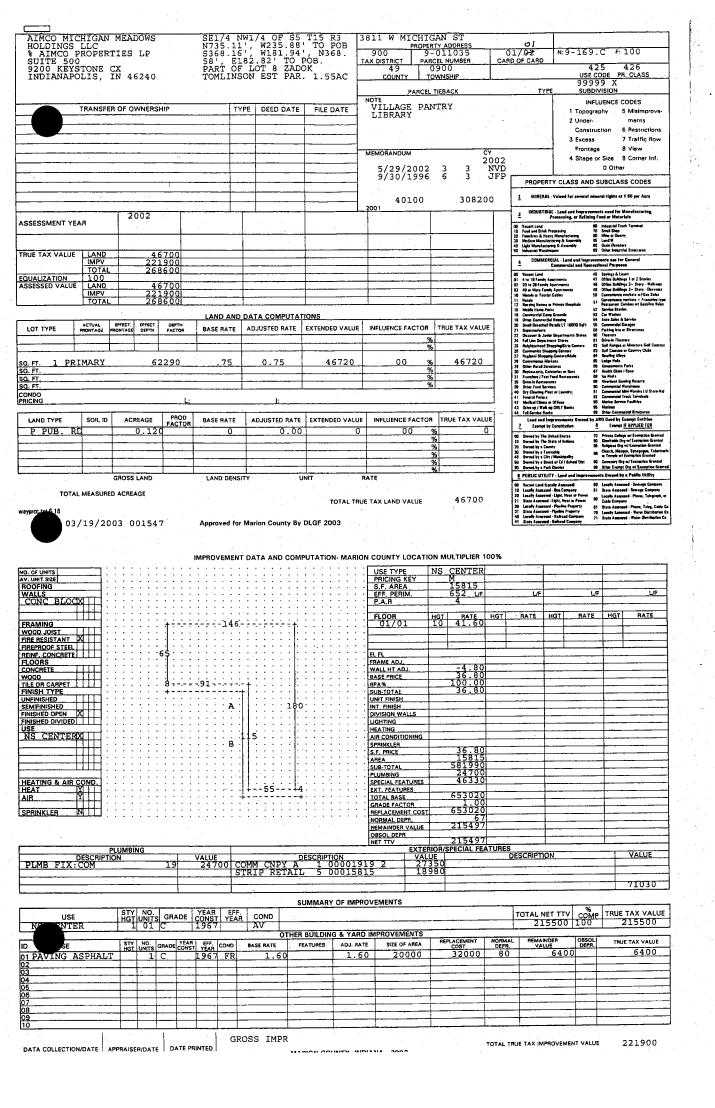
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AIMCO MICHIGAN HOLDINGS LLC PROPERTY T. #101 BOX 4900		BEG 812. SEC; S73	W180' NW73.7'.	3800 W MICHIGAN ST PROPERTY ADDRESS 900 9-010112 TAX DISTRICT PARCEL NUMBER 49 0900	01/06 N:9-063.A F:100 CARD OF CARD 403 403
TSDALE, AZ	85261	40', NEI NW78.61' POB.	4' NE197.87', NE 120.15', NE44.72', ', SE734.48' TO 13.086AC.	COUNTY TOWNSHIP PARCEL TIEBACK	USE CODE PR. CLASS 9999 X TYPE SUBDIVISION
TRANSFE	ER OF OWNERSHIP	TYP	DE DEED DATE FILE DATE	STORAGE BLDG.	2 Under ments Construction 6 Restrictions 3 Excess 7 Traffic flow Frontage 8 View
				6/26/2000 1 1 12/20/2002 6 3	2002 4 Shape or Size 9 Corner Inf. O Other PROPERTY CLASS AND SUBCLASS CODES MIRITAL Valued for several mineral rights at 1 60 per Acre
SSESSMENT YEAR	2002			200400 22022	1 NDUSTRIAL - Land and Improvements used for Masefactoring. Processing, or Railining Food or Materials Of Vecani Land 80 Material Track Testinian 72 Small Share
RUE TAX VALUE LAND	273800 2885800 3159600				COMMERCIAL Land and Improvements see for General Commercial and Recreational Purposes
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O3/19/20 O4/10/20 O4/10/			Marion County By DLGF 2003	USE TYPE	20 Leafer Januarie - Light, from a Proven 21 Start Assumed - Light in a Proven 21 Start Assumed - Profess Property 22 Leafer Januarie - Light in a Proven 23 Start Assumed - Profess Property 24 Leafer Januarie - Light in Assumed - Profess Property 25 Leafer Assumed - Start Company 26 Leafer - Light - Light in Assumed - Profess Property 27 Leafer Assumed - Start Company 28 Leafer - Light - Light - Light in Assumed - Profess Developed 29 Leafer - Light
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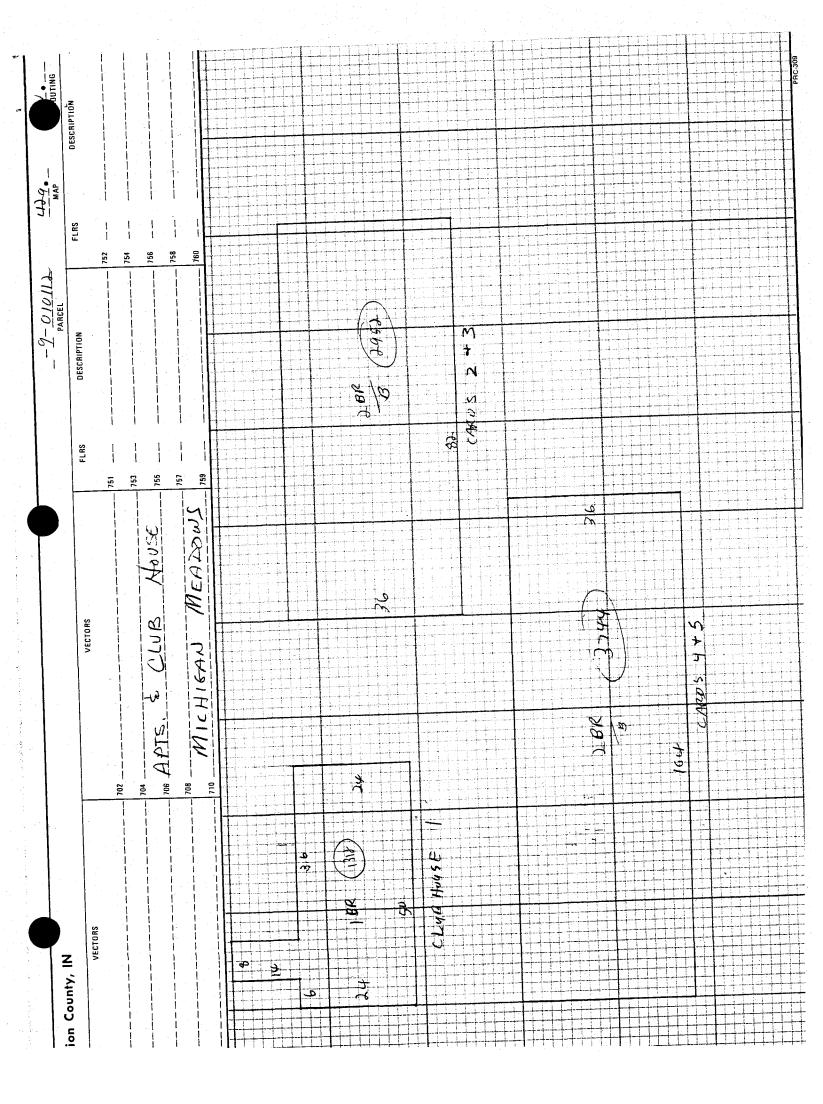
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Appendix H

C.I., LLC, April 1999, Environmental Site Assessment, Michigan Apartments, Indianapolis, IN

Appendix H

C.I., LLC, April 1999, Environmental Site Assessment, Michigan Apartments, Indianapolis, IN

Environmental Site Assessment

Michigan Apartments 3800 West Michigan Street Indianapolis, Indiana

CI Project No.: 0027-0027-19-Ph I AIM Date of Report: April 27, 1999

Prepared for:

AIMCO

1873 South Bellaire Street, Suite 1700

Denver, Colorado 80222

Mr. Mark Reoch

SITE SUMMARY

Michigan Apartments 3800 Michigan Street Indianapolis, Indiana

CI Project No.: 0027-0027-19-Ph I AIM

Date of Report: April 27, 1999

Assessment Component	Acceptable	Routine Solution	Phase II	Estimated Cost §	Reference Section	Page
Surface Areas	1				2.1.2	5
Operational Activities	1				2.2	6
Hazardous Materials	1				2.3	6
Waste Generation	✓				2.4	6
Storage Tanks/Pipelines	1				2.5	7
Asbestos		(1)		\$350	2.6	7
PCBs	/	N.F.			2.7	7
Radon Gas		(2)		\$350	2.8	8
Lead-Based Paint	1				2.9	8
Lead in Water	√				2.10	9
Historical Review	✓				4	12
Regulatory Database Review		(3)		\$700-1200	19. 19. 9 5	14
Adjacent Properties	/				6	17

[§] Costs depicted are for investigation/program development activities. Remediation costs, if required, will be identified as a result of the activities.

(2) Radon retesting should be conducted.

The development and implementation of an Asbestos Operations and Maintenance (O&M) Program. (1)

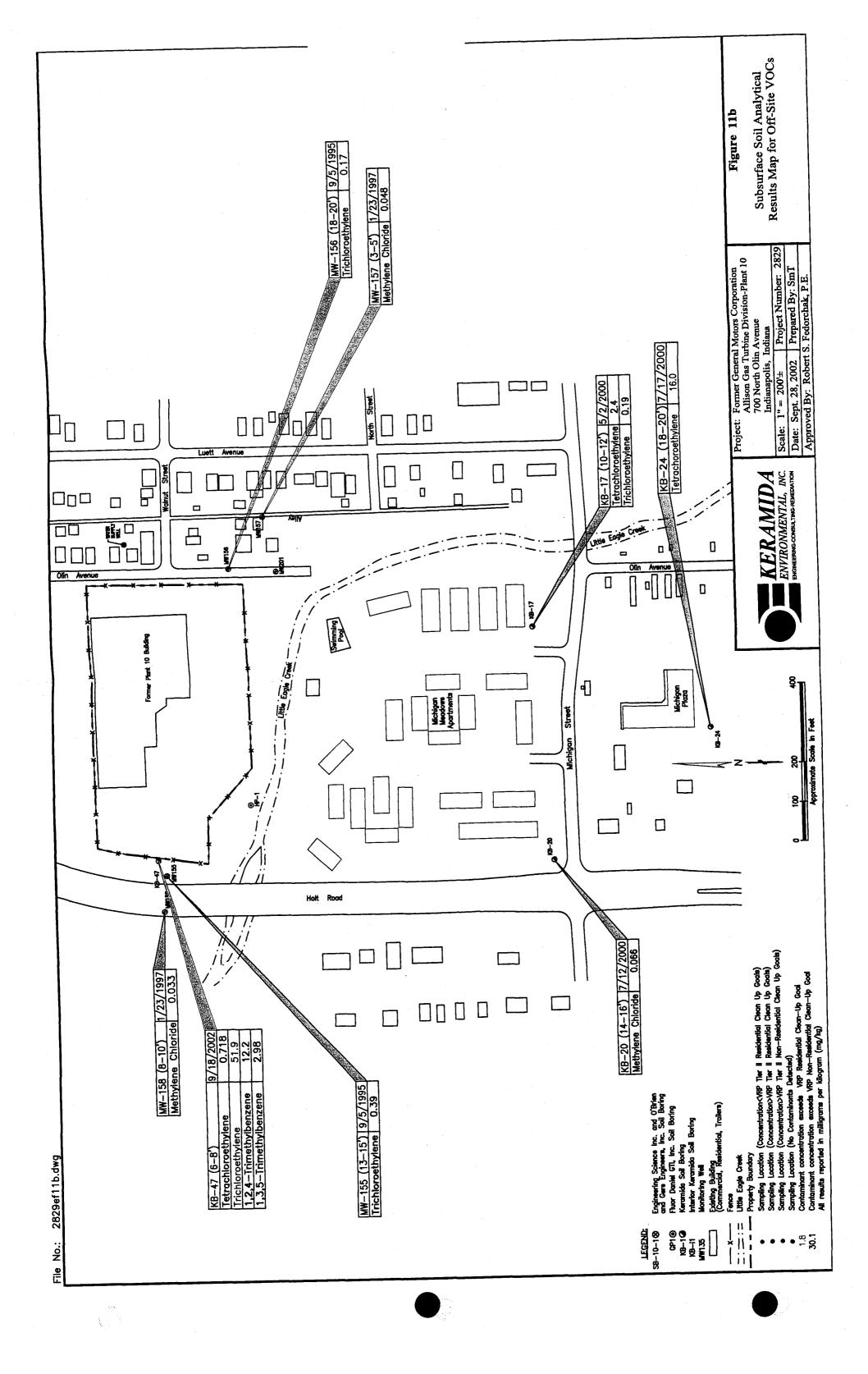
⁽³⁾ The review of file information at IDEM to determine impact to the Project from the LUST site identified at the Project address.

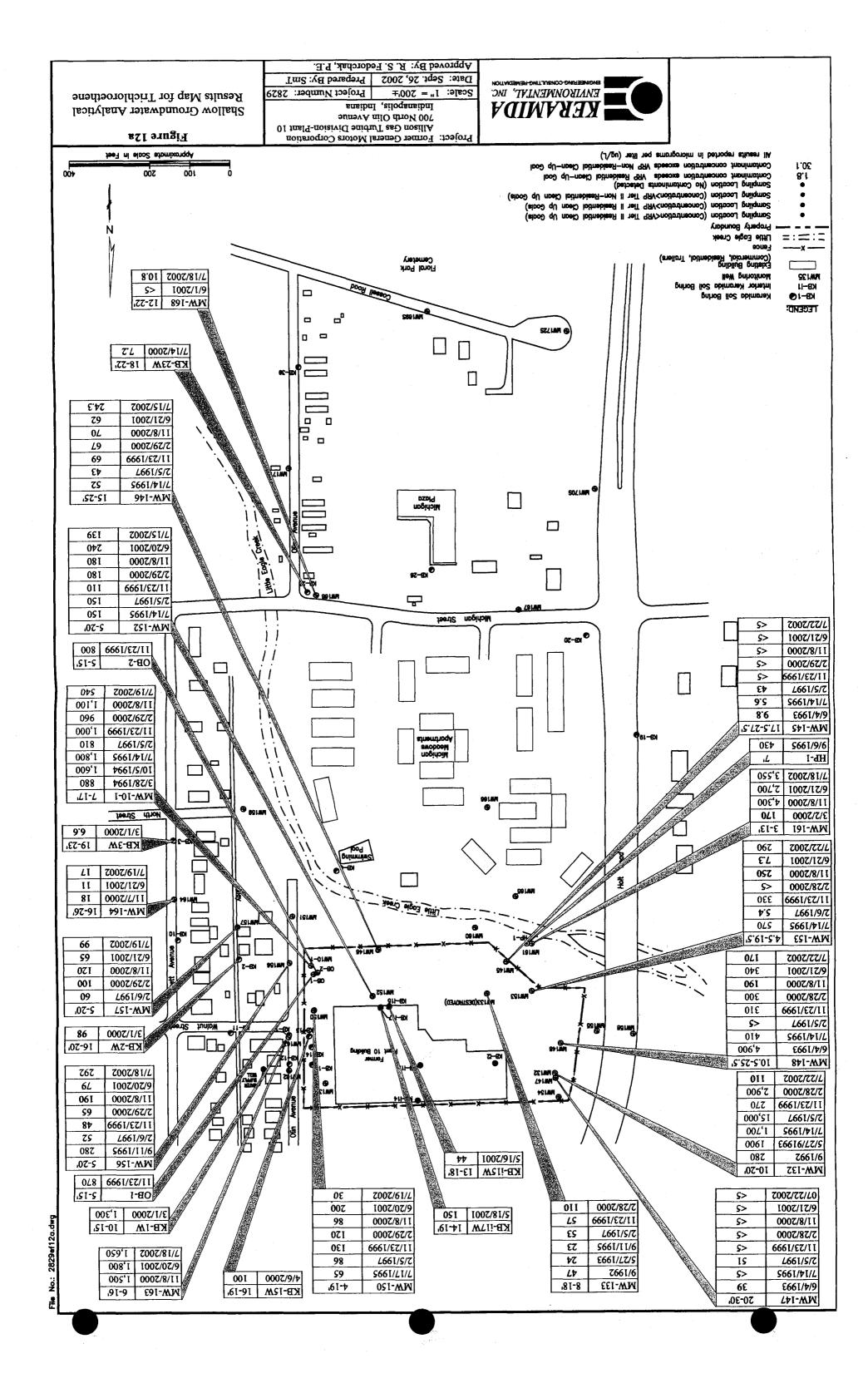
Appendix I

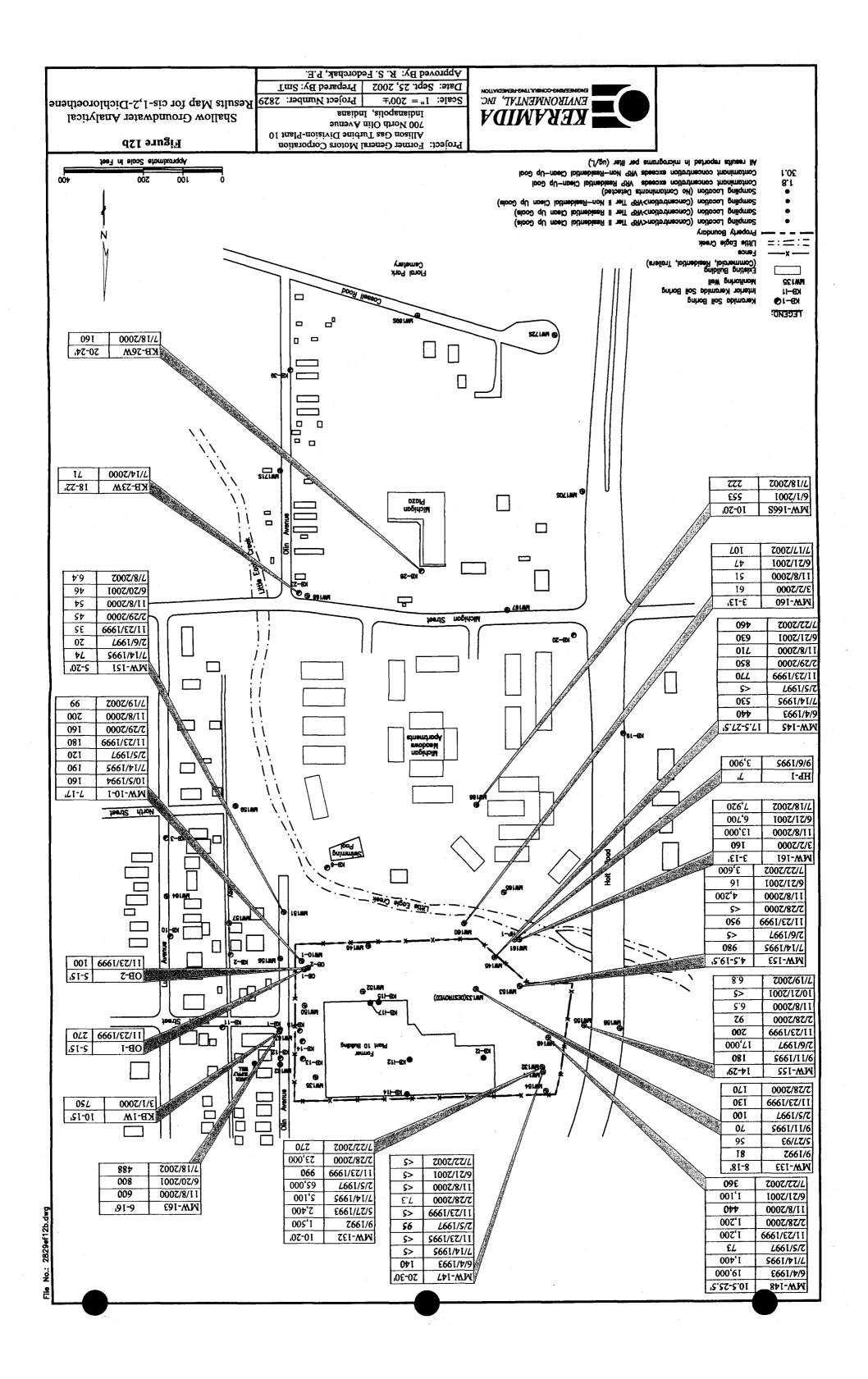
Keramida Remediation Work Plan - COC Figures

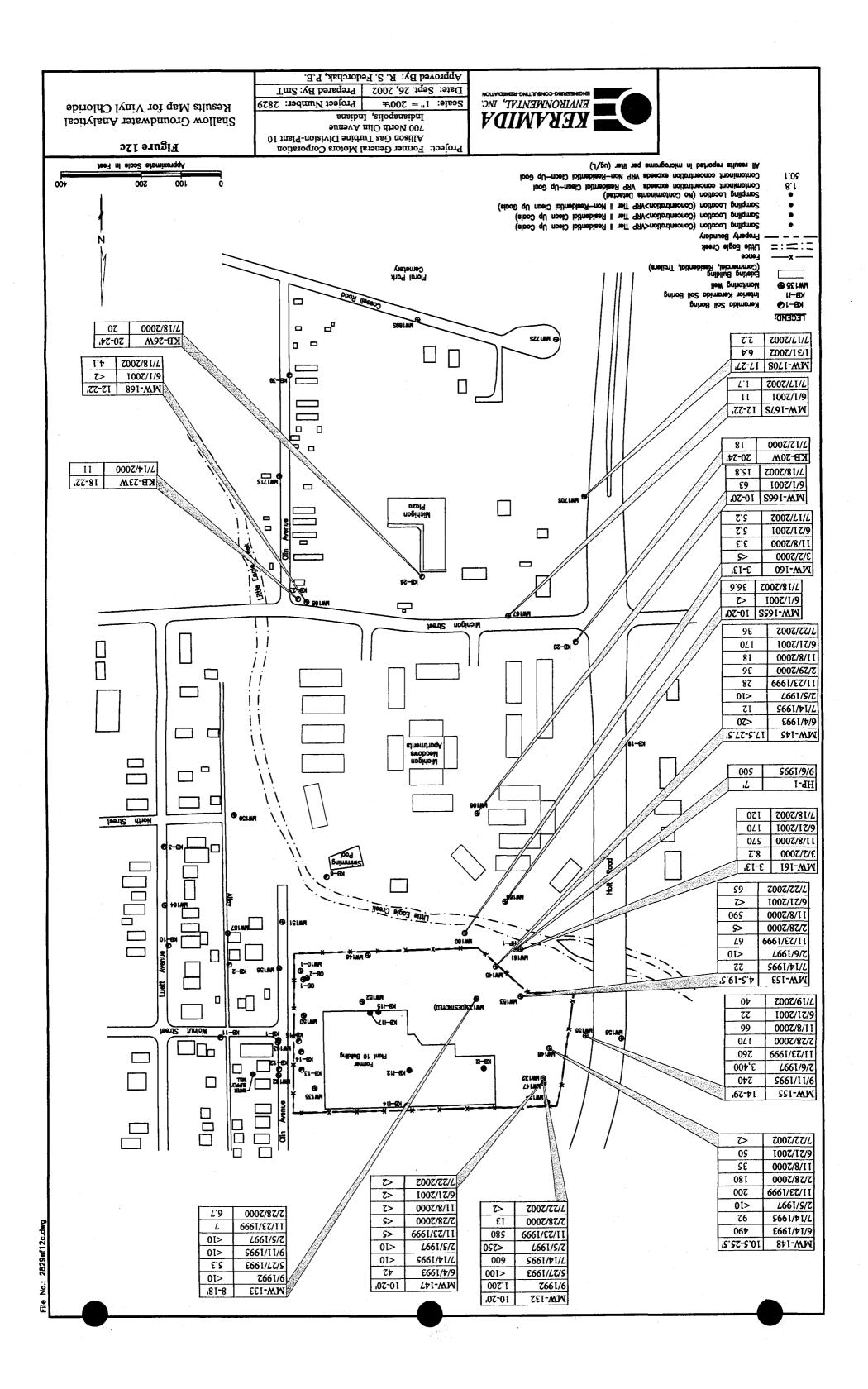
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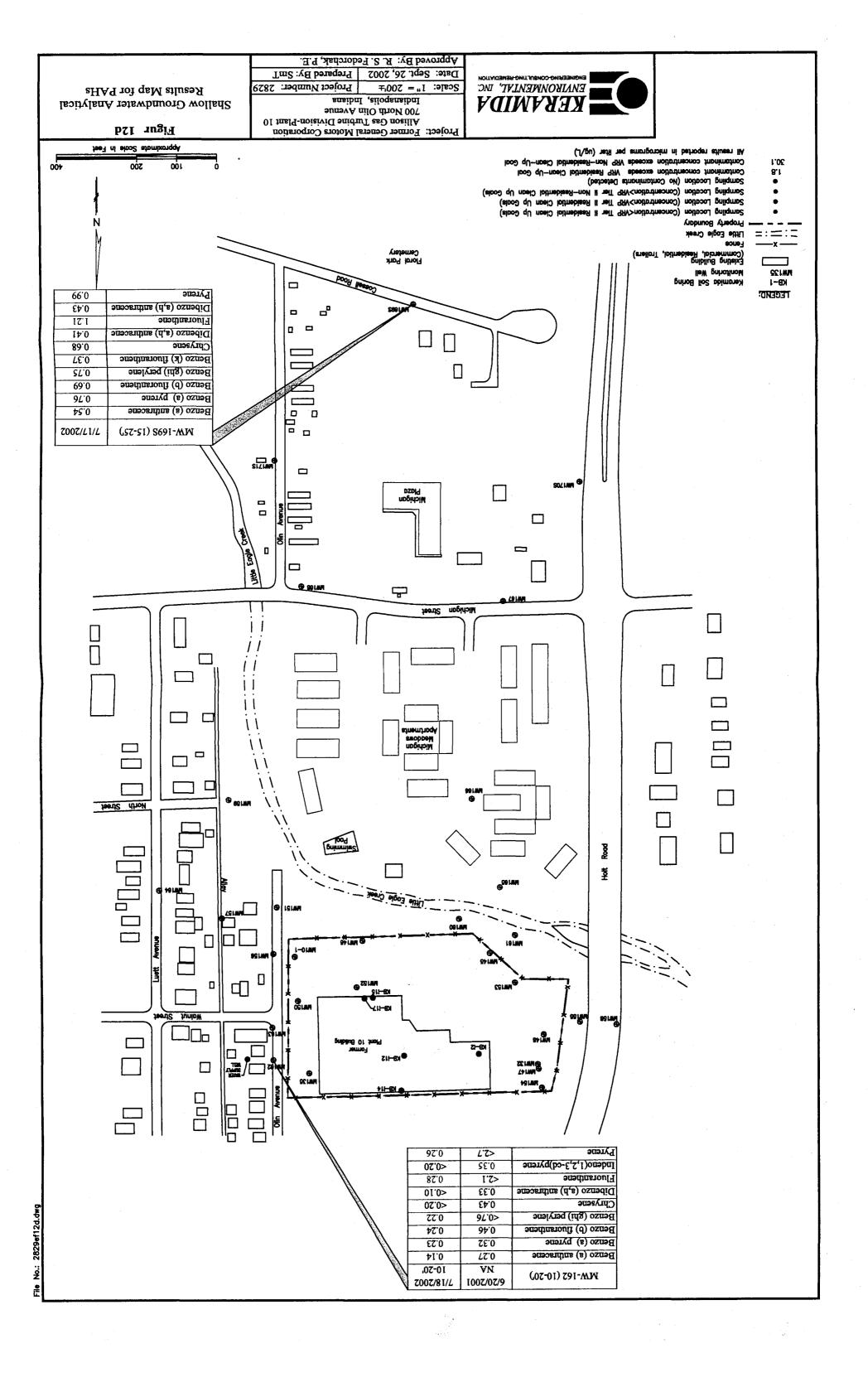
Keramida Remediation Work Plan – COC Figures

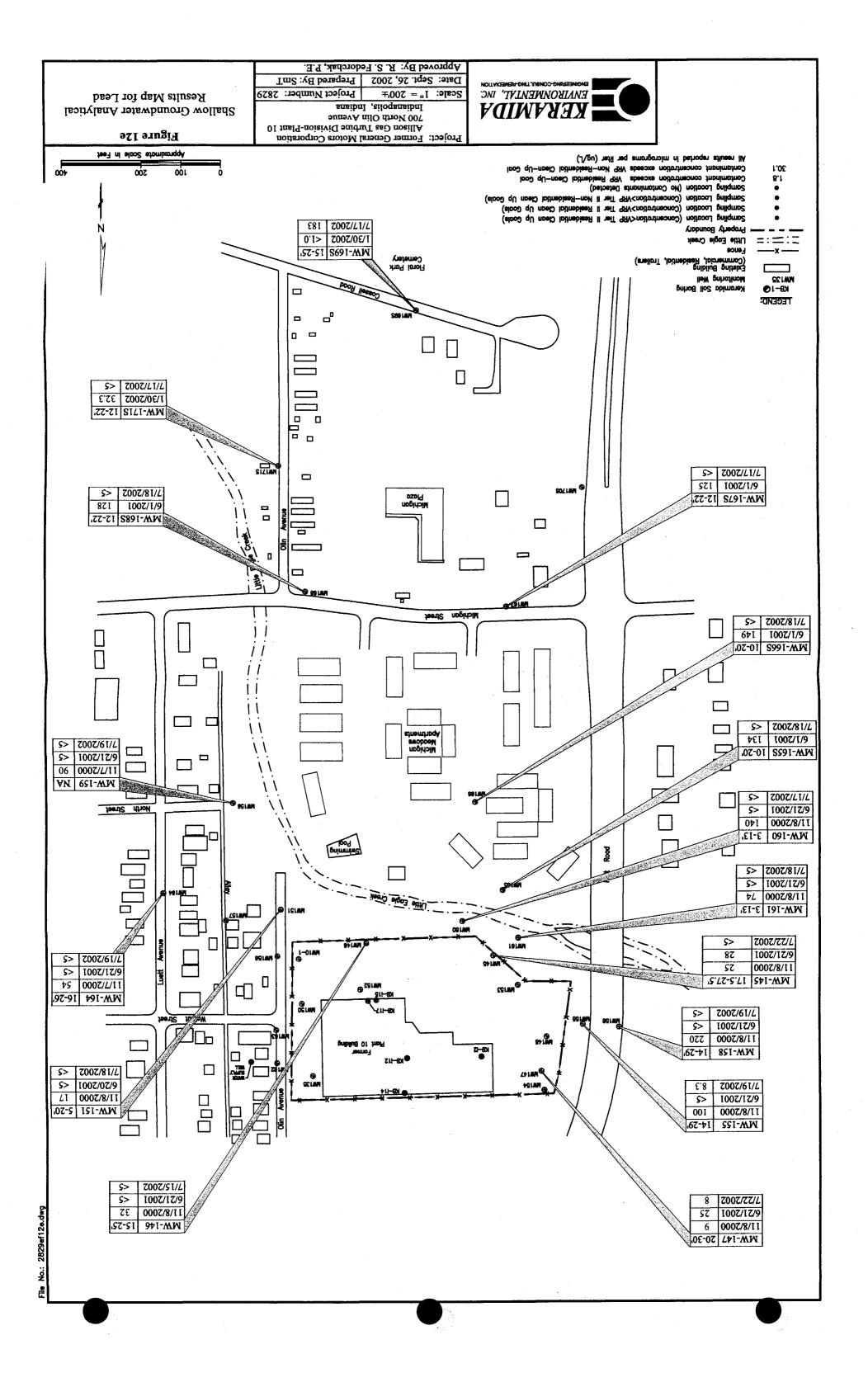


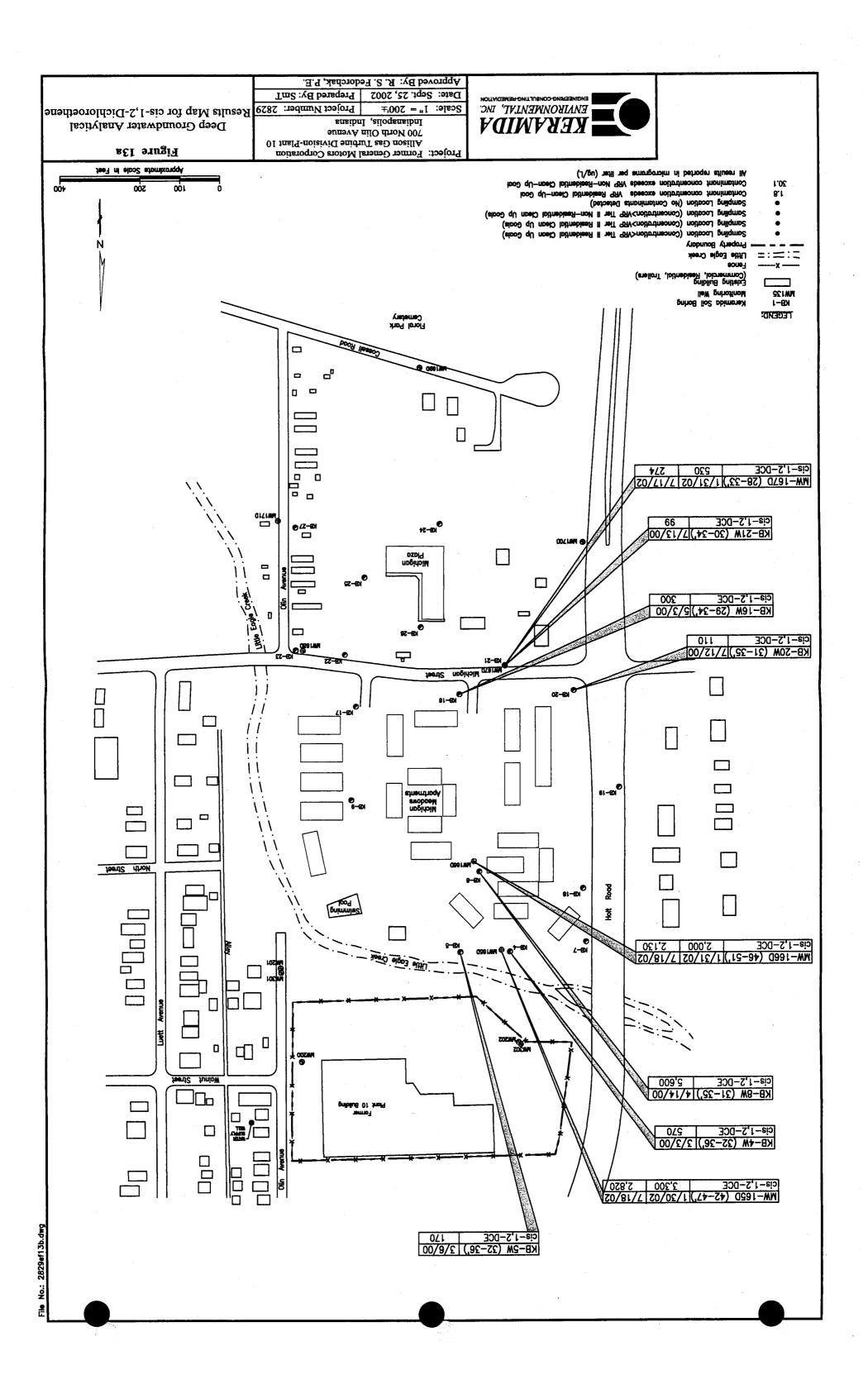


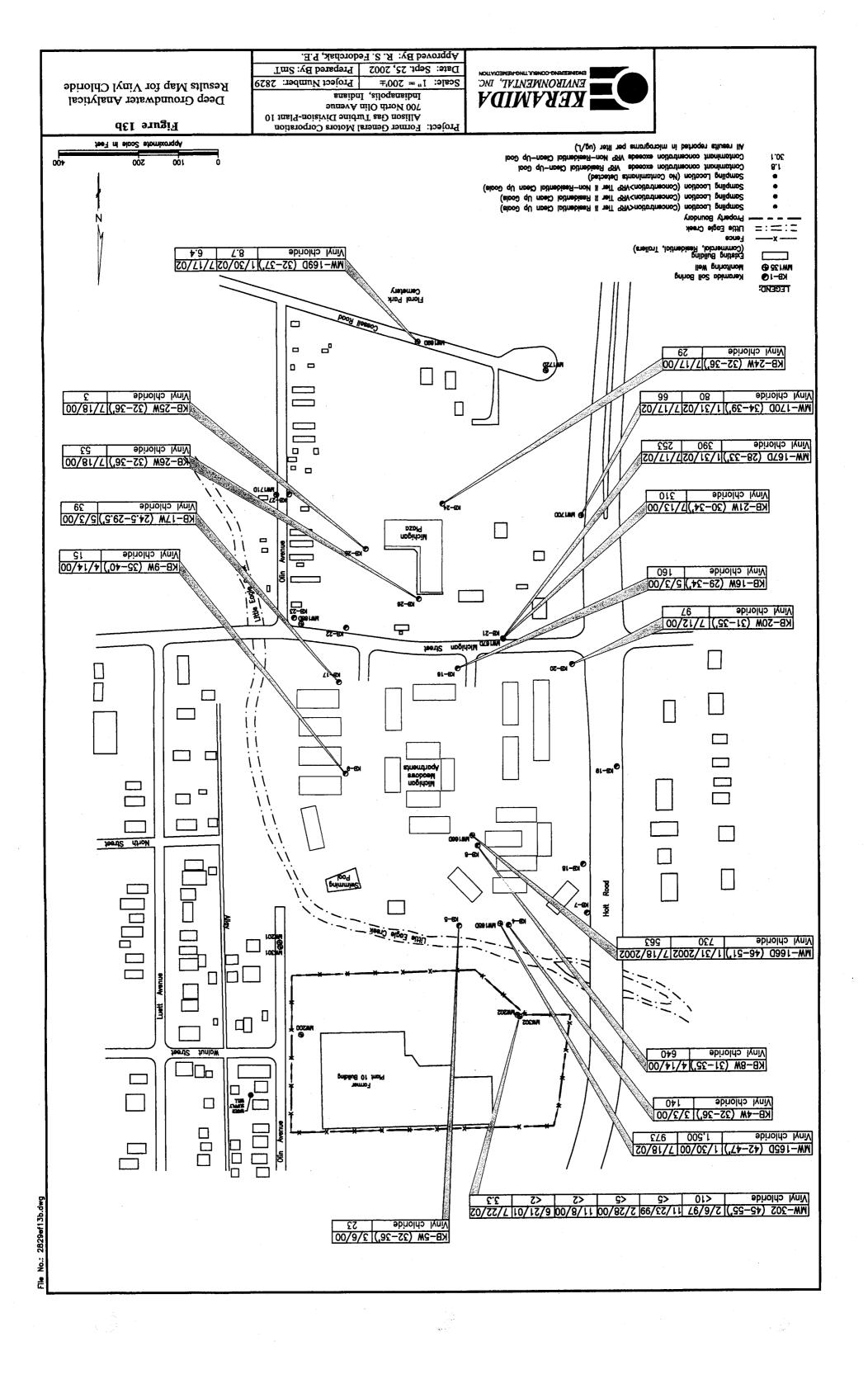


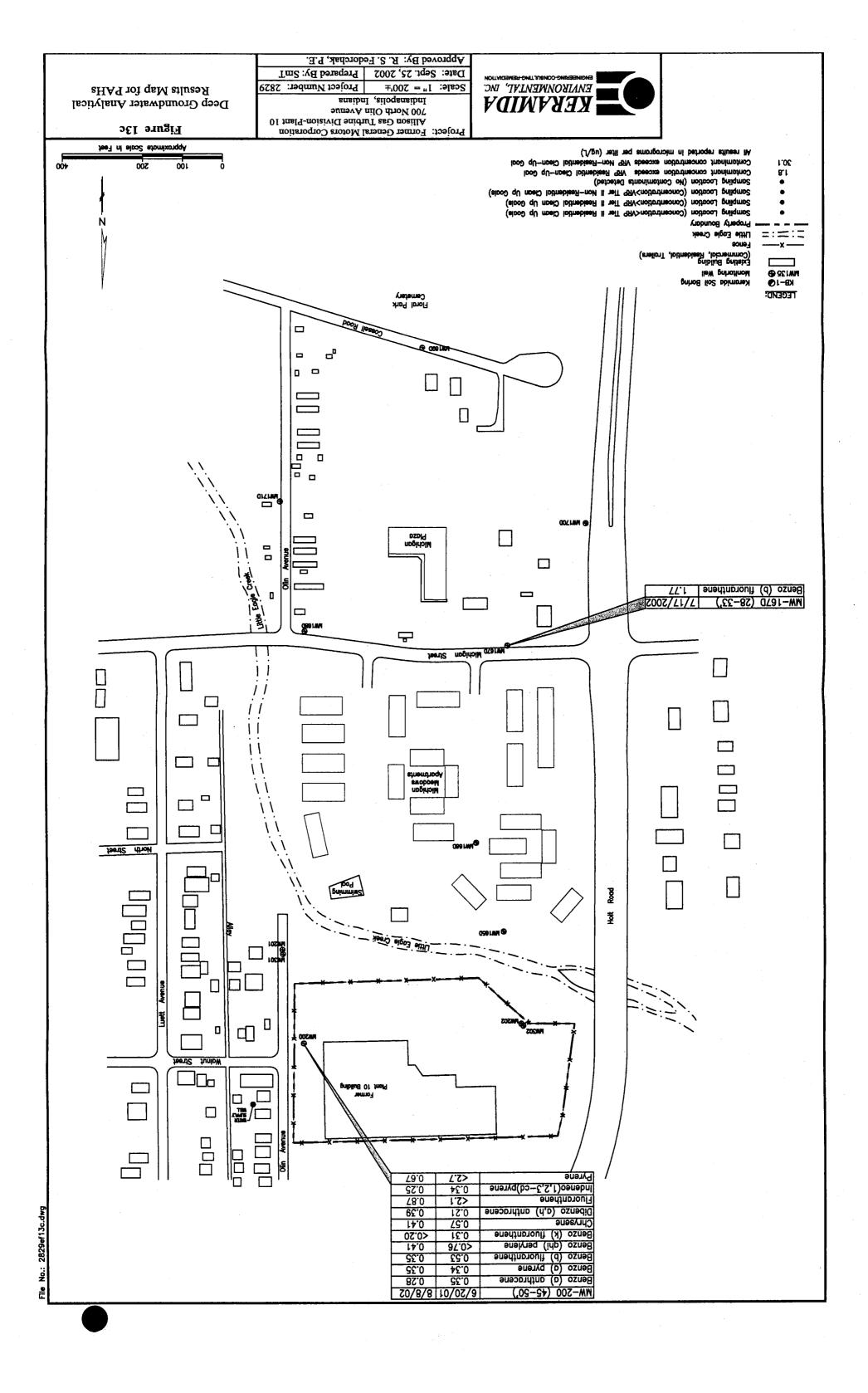


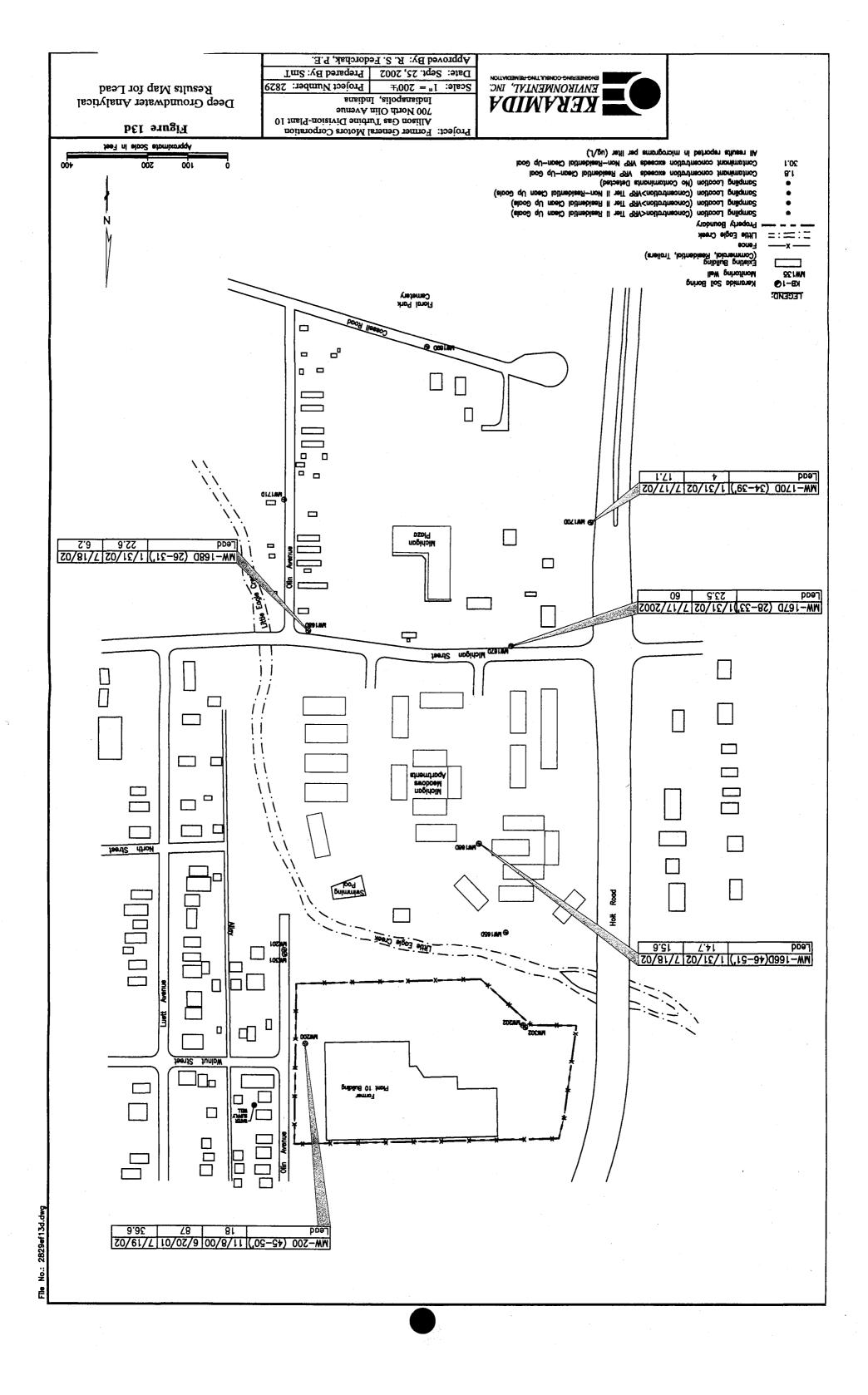


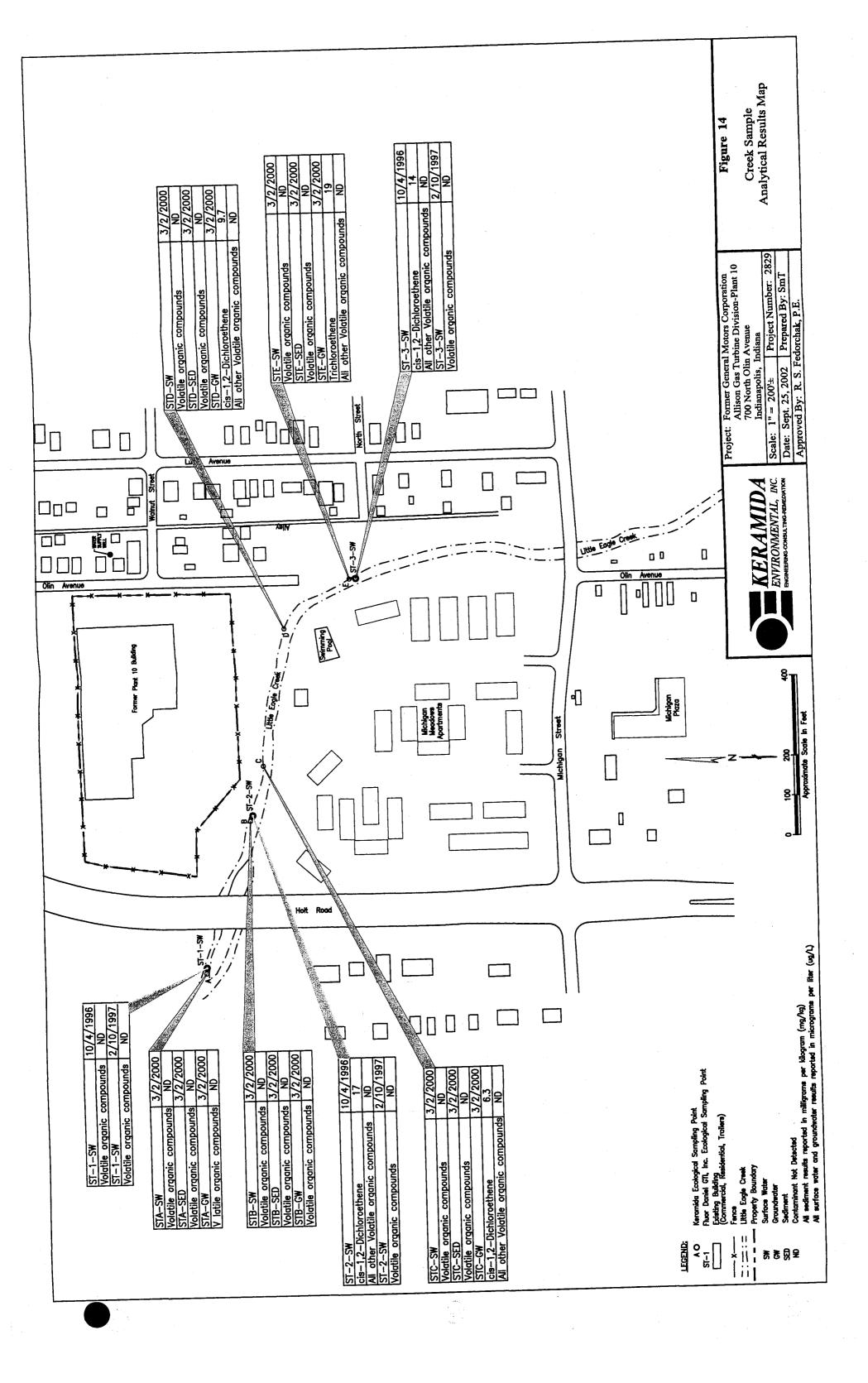












Appendix J

IDEM Files

O:\M01046 Michigan Meadows Apts\Phase I Investigations\Phase I Plaza\Phase I_Plaza.doc

Appendix J

IDEM Files

OFFICE OF SOLID AND HAZARDOUS WASTE 1995 BIENNIAL HAZARDOUS WASTE REPORT

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FORM	PAGE(S)	SECTION	CORRECTIONS NEEDED
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME:

ALLISON ENGINE COMPANY, INC. PLANT 10

EPA ID NO:

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U.S. ENVIRONMENTAL **PROTECTION AGENCY**

1995 Hazardous Waste Report

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 9 of the 1995 Hazar	rdous Waste Report booklet before completi	ing this form.
Sec. 1 Site name and location address. Complete A through H. Check the box 🗆 in information. Instruction page 10.	n items A, C, E, F, G, and H if same as labe	el; if different, enter corrections. If label is absent, enter
A. EPA 1D No. Same as label □ or → □ T ⋅ N ⋅ D ⋅ O ⋅ O ⋅ O ⋅ S ⋅ D ⋅ O ⋅ S ⋅ L ⋅ O ⋅ O ⋅ O ⋅ O ⋅ O ⋅ O ⋅ O ⋅ O ⋅ O	B. County MARION	
C. Site/company name ALLISON ENGINE COMPANY, INC. Same as label □ or → PLANT 10	D. Has the site name associated with thi	is EPA ID changed since 1993? □ 1 Yes
E. Street name and number. If not applicable, enter industrial park, building name, or othe Same as label \square or $ o$ 700 N. OLIN AVENUE	er physical location description.	
F. City, town, village, etc. Same as label □ or → INDIANAPOLIS	G. State Same as label IN	H. Zip Code Same as label (4) 6) 2) 0) 6) -
Sec. II Mailing address of site. Instruction page 10.		
A. Is the mailing address the same as the location address? ☐ 1 Yes (SKIP TO S > 2 No (GO TO BO)		
B. Number and street name of mailing address P. O. BOX 420, MA	AIL STOP N-23	
C. City, town, village, etc. INDIANAPOLIS	D. State	E. Zip Code 4, 6, 2, 0, 6,
Sec. III Name, title, and telephone number of the person who should be contacted in	if questions arise regarding this report. Instr	ruction page 10.
A. Please print: Last Name First name M.I. CARAKER KEVIN W.	B. Title ENVIRONMENTAL ENGINEER	C. Telephone [3 1 1 7
Sec. IV "I certify under penalty of law that this document and all attachments were qualified personnel properly gather and evaluate the information submitted responsible for gathering the information, the information submitted is, to the significant penalties under Section 3008 of the Resource Conservation and knowing violations."	Based on my inquiry of the person or pers he best of my knowledge and belief, true, a	sons who manage the system, or those persons directly accurate and complete. I am aware that there are
A. Please print: Last Name First name M.L. HUDSON SYDNEY M.	B. Title PRESIDENT	AND AATING OFFICER

Over →

c.V - Gen	erator Stati	us. Instruction page	s 10, 12,	•					
						i .			
A. 1995 RCI	RA generato	status	B. Reason for	not generating					
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Sec.VI - On-	Site Waste	Management Status	Instruction	2006 12 16			····		
				Jayes 13, 14.		<u> </u>			
A. Storage si	ubject to RC	RA permitting require	nents	B. Treatment, disposal,	or recyclin	g subject to	RCRA peri	mitting	C. RCRA-exempt treatment, disposal, or recycling
·				requirements					
		1_			1				
									
Sec.VII - Wa	ste Minimi:	zation Activity durin	g 1994 or 199	5. Instruction pages 1	4, 15.				
A. Did this si	te begin or o	expand a source reduc	tion activity	B. Did this site begin o	r propod a	recycling act	wity durin	n 1004 or	C Did this site austomatically investigation
during 1994	or 1995?			1995?	i expana a	recycling act	avity durin	lg 1334 UI	C. Did this site systematically investigate opportunitie for source reduction or recycling during 1994 or 1995
			4						100 Source resolution on recreaing during 1334 of 1335
□ 1 Yes		· · · · · · · · · · · · · · · · · · ·		□ 1 Yes					□ 1 Yes
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D. Did any of	the factors	listed below delay or	limit this site's	ability to initiate new o	r additional	source redu	ction activ	ities in 1994	or 1995?
CHECK YES	OR NO FOR	EACH ITEM)							
	<u>Vo</u> ■ 2								
i e		 a. Insufficient cap b. Lack of technic 	ital to install ne	w source reduction equi	pment or im	plement new	source re	eduction pract	tices
	·	c. Source reduction	al information o	n source reduction techn	iques applic	cable to the	specific pr	oduction prod	Cesses
		d. Concern that or	oduct muslity m	ay decline as a result of	nys m wasi f source red	e manageme	nt or proa	uction will no	ot recover the capital investment
01 8	2 2	e. Technical limita	tions of the pro	duction processes	300106 160	action			
-		f. Permitting burd	ens						
		g. Source reductio	n previously imp	lemented - additional rec	Juction doe:	s not appear	to be tecl	hnically feasil	ble
	■ 2 i	h. Source reductio	n previously imp	lemented - additional rec	luction doe:	s not appear	to be eco	nomically fea	sible
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E. Did any of	the factors	listed below delay or	limit the site's	sbility to initiate new or	additional	on-site or oft	site recyc	ding activities	s during 1994 or 1995?
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	<u>io</u>				Yes	No			
ऋा ा	¹ 2 a	a. Insufficient capital	to install new i	ecycling equipment or	X 1	D 2	g.	Technical lie	mitations of production processes inhibit shipments off-
		implement new rec	ycling practice					site for recy	
3 (1 c	72 t	. Lack of technical i	nformation on r	ecycling techniques	X 1	- 2	h.	Technical lin	mitations of production processes inhibit on-site recyclin
1 271 C	³ 2 0	applicable to this s . Recycling is not ed	onomically foat	duction process	2 (1	□ 2 ~~~	i.	Permitting b	ourdens inhibit recycling
	-	in waste managem	ent will not reci	over the conital	1 - - 4 1	≅ 2 □ 2	· }	Lack of pen	mitted off-site recycling facilities
		investment		vec the capital	- 1	OT 2	. k.		dentify a market for recycled materials
□1 .¥	72 d	l. Concern that produ	ct quality may	decline as a result of		7.	•	annear to h	reviously implemented - additional recycling does not e technically feasible
		recycling			0 1	¥ 2	m.		reviously implemented - additional recycling does not
)	12 e	. Requirements to m	anifest wastes i	nhibit shipments of	1.34			appear to b	e economically feasible
W (1 c	2 f	off-site for recyclin			- 1	x 2	n.	Recycling pr	reviously implemented - additional recycling does not
-	- 4 1	recycling	ididai snoizivu	shipments off-site for		.		appear to b	e feasible due to permitting requirements
		22,29			- 1	X 2	0.	Uther (SPEC	IFY COMMENTS IN BOX BELOW)
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7	177.7				بست				
comments:	VII	j - Remed	liation	derived wast	tes.	Source	redu	ction	would inhibit

clean-up activity.

Page 2 of 7

Comments:

BEFORE COPYING F	ORM, ATTACH SITE IDENT	IFICATION LABEL	OR ENTER:	\$	WHITED STAVES		U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE NAME:	ALLISON ENGIN	IE COMPAN	IY, INC.	L/HQJ	MAI PROTECTO		1995 Hazardous Waste Report
EPA ID NO:	0.0.0 CURLE	8.0.6	8110		FORM		
					GM		WASTE GENERATION AND MANAGEMENT
•							
INSTRUCTIONS: F	Read the detailed instruction	ns beginning on p	age 16 of the 1995 Hazardou	is Waste Report booklet b	efore completi	ng this fo	orm.
Sec. I A. V	Vaste description - Instruction	on page 18.				- 14 1 - 2,	
	SOIL F	ROM BORI	NG OF MONITORIA	NG WELLS			
B. EPA hazardous v	waste code Page 19.			C. State hazardous wast	e code Page	19.	
	(<u>F O O 1</u>)	L NA	r de la companya de La companya de la co				
	L NIA	LIINIA	I L INIA	<u>L</u> LL	للللل	· · · · · ·	
D. SIC code Page	System		Source code Page 20.	G. Point of measurement Page 20.	H. Form co Page 20.		I. RCRA - radioactive mixed Page 20.
				<u> </u>	<u> </u>		
	luantity generated in 1994 ruction Page 21.	B. Quantity geno Page 21.	erated in 1995	C. UOM Page 21.		site, dispo	s site do any of the following to this waste: treat on se on site, recycle on site, or discharge to a
				1	Į.		W? Page 21. (CONTINUE TO SYSTEM 1)
			3 0 6 0 0 0	□ 1 lbs/gal		pt 2 No	(SKIP TO SEC. III)
ON-SITE PROCESS				ON-SITE PROCESS SYST			
On-site process system Page 22.	tem type Quantity in 1995	treated, disposed	, or recycled on site	On-site process system to Page 22.	• • .	uantity t 1995	reated, disposed, or recycled on site
[M] 1	<u> </u>	<u> </u>	<u> </u>	ſ₩ <u>I I I I</u>	- 1		
	Was any of this waste shipp ruction page 22.	ned off-site in 19	95 X 1 Yes (CONTINUE 2 No (SKIP TO SE			-	
Site 1	B. EPA ID No.	of facility waste		C. System type shipped			E. Total quantity shipped in 1995
•	Page 23.	10191311	2 <u>19</u> 1012	Page 23. [M]1 4 1	availability Page 23.	code	Page 23.
Site 2		of facility waste		C. System type shipped			E. Total quantity shipped in 1995
	Page 23.		11	Page 23.	availability Page 23.		Page 23.
			ııı NA	LM1 1 1			
	Did new activities in 1995 i	esult in minimiza	tion of this waste? ロ 1 Yes ズ 2 No	(CONTINUE TO BOX B) (THIS FORM IS COMPLET	E)	-	
B. Activity Page 2	C. Other effect	- (D. Quantity recycled in 1995			tion F. 1	995 source reduction quantity Page 26.
ראז דידי ראז ראדידיי ראז	1 '	1	- wgc 23.		uex raye 25.	, , _	
└ ₩ <u></u> ┴─┤─┤ └₩┐	□ 1 Yes			due to new activities E.	Activity/production Page 25.	ction F. 1	

174 Page 3 of 7

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:	U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE NAME: ALLISON ENGINE COMPANY, INC. PLANT 10	1995 Hazardous Waste Report
EPA ID NO: (T.IN.ID.) (O.IO.IO.I.8 (O.IG.I.8 (1.IO.)	FORM WASTE GENERATION AND MANAGEMENT
INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous	Waste Report booklet before completing this form.
Sec. 1 A. Waste description - Instruction page 18. WATER FROM PURGING OF MONITORING WEI	LLS AND CLEANING OF DRILLING RIG.
B. EPA hazardous waste code Page 19. (F:O:O:I) N:A (N:A) N:A	C. State hazardous waste code Page 19.
is origin dode 21 tage to provide the	G. Point of measurement H. Form code Page 20. Page 20. B 1 Q 1
The second of th	C. UOM Density D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21. 1 Yes (CONTINUE TO SYSTEM 1) 1 Ibs/gal 2 sg X 2 No (SKIP TO SEC. III)
On-site process system type Quantity treated, disposed, or recycled on site	ON-SITE PROCESS SYSTEM 2 On-site process system type Quantity treated, disposed, or recycled on site in 1995 LM
Sec.III A. Was any of this waste shipped off-site in 1995 (CONTINUE T Instruction page 22. □ 2 No (SKIP TO SEC	
Site 1 B. EPA ID No. of facility waste was shipped to	C. System type shipped to D. Off-site E. Total quantity shipped in 1995 Page 23. Page 23. Page 23. Page 23. Page 23.
	C. System type shipped to D. Off-site E. Total quantity shipped in 1995 Page 23. LM
	(CONTINUE TO BOX B) THIS FORM IS COMPLETE)
B. Activity Page 24. C. Other effects Page 25. D. Quantity recycled in 1995 d Page 25.	
Comments:	

29 1 Page 4 of 7

U.S. ENVIRONMENTAL

Comments:

BEFORE COPYING FORM, ATT	ACH SITE IDENTIFICATION LABE	L OR ENTER:	2.04	TEO STAIRE	U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE NAME: ALLIS PLA	ON ENGINE COMPA	NY, INC.	- VIAOUMER N	A PROTECTO	1995 Hazardous Waste Report
EPA ID NO: LT LN +D	0 10 10 18 10 16 1	<u>18 : 1 : 0</u> :		orm GM	WASTE GENERATION
					AND MANAGEMENT
INSTRUCTIONS: Read the de	etailed instructions beginning on	page 16 of the 1995 Hazardou	us Waste Report booklet bel	ore completing this fo	orm.
Sec. 1 A. Waste descr		OIL AND CONCRET	E FROM EXCAV	ATION OF A	BONDONED UNDERGROUND
B. EPA hazardous waste code	Page 19.		C. State hazardous waste	code Page 19.	
Æ	0 ₁ 0 ₁ 1 ₁ F ₁ 0 ₁ 0 ₁ 2	<u>a</u>			
<u>D</u>	0,0,6, D,0,0,7	_ [D _ 0 _0,8]		1_1	
D. SIC code Page 19.	E. Origin code 2 Page 19 System Type M 1	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20, LB 3, 1, 9	I. RCRA · radioactive mixed Page 20.
				la silai	
Sec. II A. Quantity ger Instruction Pag	nerated in 1994 B. Quantity ger e 21. Page 21.	nerated in 1995	C. UOM De Page 21.	site, dispo	s site do any of the following to this waste: treat on use on site, recycle on site, or discharge to a FW? Page 21.
	N,A.	4,5,3,8,0,0		- 1 100	(CONTINUE TO SYSTEM 1) (SKIP TO SEC. III)
ON-SITE PROCESS SYSTEM 1			ON-SITE PROCESS SYSTEM		
On-site process system type Page 22.	Quantity treated, dispose in 1995	d, or recycled on site	On-site process system typ Page 22.	e Quantity t in 1995	reated, disposed, or recycled on site
€MI I I I		<u> </u>	L _M] i l l	لــــــا	<u> </u>
Sec.III A. Was any of Instruction page	this waste shipped off-site in 1	995 X 1 Yes (CONTINUE			
Site 1	B. EPA ID No. of facility wast		C. System type shipped to		E. Total quantity shipped in 1995
	Page 23.	2 1 9 0 1 2	Page 23. [M ₁ 1 4 1]	availability code Page 23.	Page 23. 4 5 3 8 0 .0
Site 2	B. EPA ID No. of facility wast	e was shipped to	C. System type shipped to		E. Total quantity shipped in 1995
	Page 23.	LI LINA	Page 23.	availability code Page 23.	Page 23.
Sec. IV A. Did new ac	tivities in 1995 result in minimiz le 24.		(CONTINUE TO BOX B) (THIS FORM IS COMPLETE)		
B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 Page 25.		ctivity/production F. 1 x Page 25.	995 source reduction quantity Page 26.
	□ 2 No		· <u>.</u>	ப∙ப ட	<u> </u>

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Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR	ENTER:	MITED STATE	U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE NAME: ALLISON ENGINE COMPANY	TNC	de la companya de la	PROTECTION AGENCY
PLANT 10	,_INU	ENTRY ANOTECTOR	1995 Hazardous Waste Report
EPA ID NO: (IN) D 0 0 0 0 8 0 6 18	11.0	FORM	
		GM	WASTE GENERATION AND MANAGEMENT
INSTRUCTIONS: Read the detailed instructions beginning on page	16 of the 1995 Hazardous Waste Repo	rt booklet before completing t	nis form.
Sec. I A. Waste description - Instruction page 18.			
SLUDGE FROM ABANDONED U			
B. EPA hazardous waste code Page 19.	C. State haza	ordous waste code Page 19.	
F 0 0 1 F 0 0 2			
$[D_1O_1O_1G_1]$ $[D_1O_1O_1T_1]$	[D, 0, 0, 8,		
D. SIC code Page 19. E. Origin code 2 Page 19 F. S			I. RCRA - radioactive mixed Page 20.
	Page 20. L ^A	Page 20. LB_ 6_0 _9	2
Туре			
Sec. II A. Quantity generated in 1994 B. Quantity generate			d this site do any of the following to this waste: treat on
Instruction Page 21. Page 21.	Page 21.	l l	dispose on site, recycle on site, or discharge to a r/POTW? Page 21.
NA.	$20000 \frac{1}{1}$		Yes (CONTINUE TO SYSTEM 1)
			No (SKIP TO SEC. III)
ON-SITE PROCESS SYSTEM 1		CESS SYSTEM 2	
On-site process system type Quantity treated, disposed, or Page 22.	r recycled on site On-site proce Page 22.	ss system type Quant in 19	ity treated, disposed, or recycled on site 95
	1 *	لا للا	
Sec.III A. Was any of this waste shipped off-site in 1995 Instruction page 22.	1 Yes (CONTINUE TO BOX B) 2 No (SKIP TO SEC IV)		
Site 1 B. EPA ID No. of facility waste wa		pe shipped to D. Off-site availability cod	E. Total quantity shipped in 1995 e Page 23.
Li Ni Di Oi 9i 3i 2i	Page 23.	4 1 Page 23. 1	1
Site 2 B. EPA ID No. of facility waste wa	<u> </u>	pe shipped to D. Off-site	E. Total quantity shipped in 1995
Page 23.	Page 23.	availability cod	
	NA M	Page 23.	1
Sec. IV A. Did new activities in 1995 result in minimization Instruction page 24.	of this waste? □ 1 Yes (CONTINUE T (CONTINUE T) (CONTINUE T)	•	
	Quantity recycled in 1995 due to new acres 25.	ctivities E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
LW1LW1 □ 1 Yes	6 ZJ.	much Tage 25.	

4 of 4 Page 6 of 7

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ALLISON ENGINE COMPANY

PI.ANT 10

EPA ID NO: LI Ni D LO O O 8 O 6 8 1 O



U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

OFF-SITE IDENTIFICATION

<u> </u>	
INSTRUCTIONS: Read the detailed instructions on the reverse side before completing	g this form.
A. EPA ID No. of off-site installation or transporter [I,N,D, 0,5,8,4,8,4,1,1,1,4] C. Handler type (CHECK ALL THAT APPLY) Generator Transporter TSDR	B. Name of off-site installation or transporter HERITAGE TRANSPORT, INC. D. Address of off-site installation Street City State Zip Jip Jip Jip Jip Jip Jip Jip Jip Jip J
A. EPA ID No. of off-site installation or transporter L N D LO193, L2, 1, 9, L0, 1, 2 C. Handler type (CHECK ALL THAT APPLY) Generator Transporter TSDR	B. Name of off-site installation or transporter HERITAGE ENVIRONMENTAL SERVICES D. Address of off-site installation Street 7901 WEST MORRIS City INDIANAPOLIS, IN State I N Zip 4 6 2 3 1 - 1 3 6 7
Site 3 A. EPA ID No. of off-site installation or transporter L. L	B. Name of off-site installation or transporter D. Address of off-site installation
□ Generator □ Transporter □ TSDR	Street City State Zip
Site 4 A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
C. Handler type (CHECK ALL THAT APPLY) Generator Transporter TSDR	D. Address of off-site installation Street City State Zip
Site 5 A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
C. Handler type (CHECK ALL THAT APPLY) Generator Transporter TSDR	D. Address of off-site installation Street City State Zip J J J - L J J
Comments:	

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Office of Solid & Hazardous Waste Man & ment INDIANA DEPARTMENT OF ENVIRONMENTA. JANAGEMENT

lr

105 South Meridian Street P.O. Box 6015 Indianapolis, IN 46206-6015

STATE OF INDIANA COOK, PETE-SPEED CODE S-44A

EMVIRONMENTAL COORDINATOR

IND0000806810

GMC-PEAD-PLANT 10

Allison Gas Turbine

P.O. BOX 894420 INDIANAPOLIS, IN

46204

`U	KM	E:	
_			

SOLID WASTE MANAGEMENT BUAKD
INSTRUCTIONS: Please refer to the specific instructions before completing this form. The information requested herein is required by IC 13-7-8.52.
I. TYPE OF HAZARDOUS WASTE REPORT FOR THE YEAR ENDING DEC. 31, 19
FORM G: GENERATOR BIENNIAL REPORT FORM F: FACILITY BIENNIAL REPORT
DID NOT GENERATE/TSD HAZARDOUS SMALL QUANTITY GENERATOR OF HAZARDOUS WASTE
GENERATE LESS THAN GENERATE BETWEEN 100 Kg PER MONTH 100 & 1000 Kg PER MONTH
II. INSTALLATION'S EPA I.D. NUMBER I N D 0 0 8 0 6 8 1 0
III. NAME OF INSTALLATION # 1 a n t 1 0 A L L I S O N G A S T U R B I N E G M
IV. INSTALLATION MAILING ADDRESS
STREET OR P.O. BOX P101 B101X1 4, 2, 0, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CITY OR TOWN
STATE TIN ZIP CODE 416121016
V. LOCATION OF INSTALLATION
STREET OR P.O. BOX 7 d d NORTH OLIN AVEL
CITY OR TOWN I N D I A N A P O L I S
STATE ZID CODE COMMUNICATION
VI. INSTALLATION CONTACT
Last Name First Name Phone (area code & no.)
c o o K
VII. CERTIFICATION
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. THIS CERTIFICATION HAS BEEN PREPARED ON BEHALF OF GENERAL MOTORS CORPORATION. 2-26-88
A.) PRINT OR TYPE NAME AND TITLE (B.) SIGNATURE (C.) DATE SIGNED
Please print or type with ELITE type (12 characters per inch). PAGE 1 OF 1
State Form 19288R

Revised 10/87

WASTE MINIMIZATION STATEMENT 1987 HAZARDOUS WASTE BIENNIAL REPORT

This report is for the calendar year ending December 31, 1987.

The Hazardous and Solid Waste Amendments of 1984 and Indiana Rule 320 IAC 4.1-10-2(b) require all generators of hazardous waste to provide information with respect to waste minimization as part of their biennial report. The following information is being required to satisfy that requirement:

Generator's EPA I.D. No.

IND000806810

Waste Minimization

Describe in the space below your efforts, undertaken during calendar year 1987, to reduce the volume and toxicity of the hazardous waste which your business generates. Also, describe changes in waste volume and toxicity actually achieved during 1987 in comparison to previous years, to the extent possible.

THIS FACILITY DID NOT GENERATE ANY HAZARDOUS WASTE IN 1987.

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. This certification has

been prepared on behalf of General Motors Corp.

F. B. Wallace, Print/Type Name

General Manager

Title

Signature

2-26-88

Date Signed



Man 2 2 on PH '88

OFFICE OF SOLID AND HAZARDOUS WASTE MGMT DEM

February 23, 1988 (REF:NC628)

Ms. Karyl K. Schmidt, Chief G ology Section Office of Solid & Hazardous Waste Mgmt. Department of Environmental Management P. O. Box 6015 Indianapolis, IN 46206

Subj: Groundwater Annual Report

Allison Gas Turbine Plant #5 General Motors Corporation

IND 000806836

Dear Ms. Schmidt:

In accordance with 320 IAC 4.1-20-5(a)(2)(ii) and (iii), Allison Gas Turbine is submitting this annual report describing the status of the groundwater monitoring system at the above mentioned facility for the 1987 calendar year.

Statistical analysis of the data was performed using the average replicate t-test. No significant differences were calculated for the wells during 1987. Analytical and statistical data is pr sented in the attached tables.

R view of groundwater level data indicates that, in both the shallow and deep systems, Wells 1 and 2 continue to be upgradient.

On behalf of General Motors Corporation, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

I am aware that there are significant penalti s for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please call P. P. Cook on 230-4388 or P. A. Eddy on 230-5456 if you have any questions.

Sincerely,

F. B. Wallace

General Manager

FBW/nc

cc: Regional Services

ALLISON GAS TURBINE 1987 H₂O E1.

Well	<u>1</u>	<u>2</u>	3	<u>4</u>	<u>5</u>
Date					
4-28-87					
Shallow	665.02	663.85	661.19	661.67	663.19
Deep	664.73	663.91	661.18	661.60	662.42
10-20-87					
Shallow	Dry	Dry	659.72	Dry	Dry
Deep	663.13	662.31	661.41	660.09	661.03

ALLISON GAS TURBINE 1987 SHALLOW WELLS

рН

Well		<u>1s</u>	<u>2S</u>	<u>3S</u>	<u>4s</u>	<u>5s</u>
Date						
4-28-	87					
	A Hq	7.02	Dry	7.21	6.63	7.09
	рн в	7.02		7.29	6.69	7.08
	рн С	7.03		7.23	6.80	7.06
	pH D	7.01		7.24	6.85	7.07
	$\overline{\mathbf{x}}$	7.02		7.24	6.74	7.08
	t*	0.91		1.60	0.04	1.10
	t _c	5.111		5.111	5.111	5.11
	Status	OK		OK	OK	OK
10-20	-87					
	pH A	Dry	Dry	6.93	Dry	Dry
	рн в			6.97		
	рн С			6.91		
	D Hg			6.93		
					e de la companya de La companya de la co	
	x			6.94		
-	t*			0.66		
	t _c			5.111		
	Status			OK		

ALLISON GAS TURBINE 1987 DEEP WELLS

pН

Well		<u>1D</u>	<u>2D</u>	<u>3D</u>	<u>4D</u>	<u>5D</u>
Date						
4-28-8	7					
	рн А	7.08	7.03	7.17	6.95	6.73
	рн в	7.17	7.10	7.09	6.88	6.78
	рнс	7.14	7.10	7.18	6.94	6.81
	pH D	7.12	7.05	7.18	6.88	6.78
	$\overline{\mathbf{x}}$	7.13	7.07	7.16	6.91	6.78
	^ *					
		0.43	0.26	0.51	-0.19	-0.55
	t _c	5.111	5.111	5.111	5.111	5.111
	Status	OK	OK	OK	OK	OK
10-20-	87					
	рн А	6.72	6.86	6.82	6.57	6.75
	рн в	6.75	6.90	6.78	6.62	6.71
	рн С	6.80	6.93	6.78	6.63	6.76
	pH D	6.83	6.97	6.75	6.68	6.73
	_					
	X	6.78	6.92	6.78	6.63	6.74
	t *	-0.55	-0.16	-0.55	-0.97	-0.66
	t _c	5.111	5.111	5.111	5.111	5.111
	Status	OK	OK and a second	OK	OK	OK

ALLISON GAS TURBINE 1987 SHALLOW WELLS

SP. COND.

Well	<u>1s</u>	<u>2S</u>	<u>3S</u>	<u>4s</u>	<u>5S</u>
Date					
4-28-87					
SP. COND. A	950	Dry	960	750	740
SP. COND. B	960		960	750	740
SP. COND. C	960		960	760	740
SP. COND. D	960		960	770	740
$\overline{\mathbf{x}}$	9.575		960	757.5	740
t*	-1.12		-1.11	-1.81	-1.87
t _c	4.609		4.609	4.609	4.609
Status	OK		OK	ОК	OK
10-20-87					
SP. COND. A	Dry	Dry	720	Dry	Dry
SP. COND. B			720		
SP. COND. C			730		
SP. COND. D			740		
X			727.5		
t*			-1.91		
t _c			4.609		
Status			ОК		

ALLISON GAS TURBINE 1987 DEEP WELLS SP. COND.

Well	<u>1D</u>	<u>2D</u>	<u>3D</u>	<u>4D</u>	<u>5D</u>
Date					
4-28-87					
SP. COND. A	1040	1020	790	660	700
SP. COND. B	1040	1030	790	650	700
SP. COND. C	1040	1030	790	660	700
SP. COND. D	1050	1030	790	670	700
$\overline{\mathbf{X}}$	1042.5	1027.5	790	660	700
t*	-2.41	-2.48	-3.62	-4.24	-4.05
t _c	4.609	4.609	4.609	4.609	4.609
Status	OK	OK	OK	OK	OK
10-20-87					
SP. COND. A	650	740	580	520	540
SP. COND. B	650	740	590	530	540
SP. COND. C	660	750	590	530	550
SP. COND. D	650	740	590	530	550
$\overline{\mathbf{x}}$	652.5	742.5	587.5	527.5	545
t*	-4.28	-3.85	-4.59	-4.88	-4.80
t _c	4.609	4.609	4.609	4.609	4.609
Status	OK	OK	OK	ОК	OK

ALLISON GAS TURBINE 1987 SHALLOW WELLS TOC (PPM)

Well		<u>1s</u>	<u>2S</u>	<u>3s</u>	<u>4S</u>	<u>58</u>
Date						
4-28-8	37					
	TOC A	4	Dry	<3	<3	<3
	TOC B	4		<3	<3	<3
	TOC C	3		<3		< 3
	TOC D	5		<3	<3	4
	\overline{X}	4		1.5	2.13	2.13
	t*	-0.47		-0.55	-0.53	-0'.53
	t _c	4.609		4.609	4.609	4.609
	Status	OK		OK	OK	OK
10-20-	87					
	TOC A	Dry	Dry	<3	Dry	Dry
	TOC B			<3		
	TOC C			<3		
	TOC D			<3		
	$\overline{\mathbf{X}}$			1.15		
	t*			-0.55		
	t _c			4.609		
	Status			OK		

ALLISON GAS TURBINE 1987 DEEP WELLS TOC (PPM)

Well		<u>1D</u>	<u>2D</u>	<u>3D</u>	<u>4D</u>	<u>5D</u>
Date						
4-28-8	37					
	TOC A	6	7	<3	<3	5
	TOC B	8	5	< 3	<3	6
	TOC C	8	5	<3	<3	9
	TOC D	7	7	<3	∢3	3
	$\frac{1}{x}$	7.25	6	1.5	1.5	5.75
	t *	0.17	-0.06	-0.86	-0.86	-0.10
	t _c	4.609	4,609	4.609	4.609	4.609
	c Status	OK	OK	ок	OK	OK
10-20-	-87					
10 20	TOC A	∢3	<3	< 3	< 3	< 3
	TOC B	≺3	< 3	<3	<3	< 3
-	TOC C	<3	≺3	<3	< 3	< 3
	TOC D	<3	< 3	5	7	<3
	$\overline{\mathbf{x}}$	1.5	1.5	2.38	2.88	1.5
	t*	-0.86	-0.86	-0.71	-0.62	-0.86
	t _c	4.609	4.609	4.609	4.609	4.609
	Status	OK	OK	OK	OK	OK

ALLISON GAS TURBINE 1987 SHALLOW WELLS TOX (PPM)

Well		<u>15</u>	<u>2S</u>	<u>3S</u>	<u>4S</u>	<u>5S</u>
Date						
4-28-	87					
	A XOT	.04	Dry	.09	.06	.11
	TOX B	.05		.07	.08	.13
	TOX C	.04		.07	.08	.10
	TOX D	.05		.08	.07	.13
	$\overline{\mathbf{X}}$.045		. 078	.073	0.118
	t*	0.61		1.88	1.69	3.42
	t _c	4.609		4.609	4.609	4.609
	Status	OK		OK	OK	OK
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10-20	-87					
	A XOT	Dry	Dry	.07	Dry	Dry
	TOX B			.08		
	TOX C			.08		
	TOX D			.97		
	*					
	$\overline{\mathbf{x}}$.075		
	t*			1.76		
	t _c			4.609		
	Status			OK		

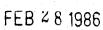
ALLISON GAS TURBINE 1987 DEEP WELLS TOX (PPM)

Well		<u>1D</u>	<u>2D</u>	<u>3D</u>	<u>4D</u>	<u>5D</u>
Date						
4-28-	87					
	A XOT	<.01	.03	.03	.04	.05
	TOX B	< . 01	.04	.03	.06	.06
	TOX C	.02	.02	.03	.06	.06
	TOX D	<.01	<.01	.02	.04	•06
	X	.009	.024	.028	•05	.058
	* t	-0.59	0.07	0.24	1.20	1.55
	t _c	4.609	4.609	4.609	4.609	4.609
	Status	OK	ОК	OK	OK	OK
10-20	- 87					
10 20	TOX A	•03	.03	<.01	.04	<.01
	TOX B	.03				
			.03	.03	.03	<.01
	TOX C	.04	.03	.02	.03	•03
	TOX D	.03	.03	•02	•03	<.01
	Х	•033	.03	.019	.033	.011
	t*	0.46	0.33	-0.15	0.46	-0.50
	t _c	4.609	4.609	4.609	4.609	4.609
	Status	OK	OK	OK	OK	OK

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Division of Land Pollution Control INDIANA STATE COARD OF HEALTH 1330 West Michigan Street P. O. Box 1964 Indianapelis, Indiana 46206

IND000806810 GMC-DDAD-P.O. BOX INDIANAPO





FORM E:

INDIANA STATE BOARD OF HEALTH Installat CANDROLLATION CONTROL DIVISION A

ENVIRONMENTAL MANAGEMENT BOARD

FORM G: GENERATOR BIENNIAL REPORT DID NOT GENERATE/TSD HAZARDOUS X SMALL QUANTITY GENERATOR OF HAZARDOUS WASTE GENERATE LESS THAN GENERATE BETWEEN 100 kg PER MONTH 100 & 1000 kg PER MONTH III. INSTALLATION'S EPA I.D. NUMBER IIN DO O O O O O FER MONTH III. NAME OF INSTALLATION PLANT I O DET DID EEL ALLIS ON A C IV. INSTALLATION MAILING ADDRESS Leet or P. O. Box POO BOX POO BOX POO BOX BOY OF COUNTY V. LOCATION OF INSTALLATION Street or P. O. Box 7 OO NO BOX POO BOX POO BOX FOR THE OLIN A VEL BOX OF THE OLIN A VEL	INSTRUCTIONS: Please refer to the specific instructions before completing this form. The information requested herein is required by IC 13-7-8.5-2.
GENERATOR BIENNIAL REPORT DID NOT GENERATE/TSD HAZARDOUS X SMALL QUANTITY GENERATOR OF HAZARDOUS WASTE GENERATE LESS THAN GENERATE BETWEEN 100 kg PER MONTH 100 & 1000 kg PER MONTH III. INSTALLATION'S EPA I.D. NUMBER I N D O O O O O O O O O	I. TYPE OF HAZARDOUS WASTE REPORT FOR THE YEAR ENDING DEC. 31, 1985
GENERATE LESS THAN 100 & 10000 & 1000 & 1000 & 1000 & 1000 & 1000 & 1000 & 1000 & 1000 & 1000	FORM G: GENERATOR BIENNIAL REPORT FORM F: FACILITY BIENNIAL REPORT
III. NAME OF INSTALLATION PILANT 110 DET DIESEL ALLIES ON development of the person or persons who manage the system, or those persons directly responsible for submitting false information, including the possibility of fine and imprisonment for knowing violations. This certification is made on behalf of General Motors Corporation. III. NAME OF INSTALLATION PILANT 110 DET DIESEL ALLIES ON development ON Test DET DIESEL ALLIES ON development ON Test ON DET DIESEL ALLIES ON DET DIESEL ALLIES ON DET DIESEL ON	GENERATE LÈSS THAN GENERATE BETWEEN 100 Kg PER MONTH 100 & 1000 Kg
TY. INSTALLATION MAILING ADDRESS Teet or P. 0. Box P 0 B 0 X 8 9 4	II. INSTALLATION'S EPA I.D. NUMBER INDO O O O O O O O O
The property of the property of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. This certification is made on behalf of General Motors Corporation. I S SAYLOR CEN' MEG. MCP. (A.) PRINT OR TYPE NAME AND TITLE (B.) SIGNATURE (C.) DATE SIGNED PAGE 1 OF 1	
Street or P. 0. Box 7 0 0 North Hollin Ave I I I North Hollin Ave I I No	reet or P. O. Box PO BOX 894
State IN Zip Code	
State IN Zip Code	Street or P. O. Box 7 0 0 N 0 T H 0 L I N A V E
State IN Zip Code 4 b 2 2 County MARION NARION NARIO	
VI. INSTALLATION CONTACT Last Name First Name Phone (area code & no.) S E W A L L	
VII. CERTIFICATION I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. This certification is made on behalf of General Motors Corporation. I F SAYLOR GEN! MFG MGR (A.) PRINT OR TYPE NAME AND TITLE (B.) SIGNATURE (C.) DATE SIGNED ase print or type with ELITE type (12 characters per inch). PAGE 1 OF 1	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. This certification is made on behalf of General Motors Corporation.	
for submitting false information, including the possibility of fine and imprisonment for knowing violations. This certification is made on behalf of General Motors Corporation. I E SAYLOR GEN' MEG MGR (A.) PRINT OR TYPE NAME AND TITLE (B.) SIGNATURE (C.) DATE SIGNED ase print or type with ELITE type (12 characters per inch). PAGE 1 OF 1	VII. CERTIFICATION I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties
CD11/4 001	for submitting false information, including the possibility of fine and imprisonment for knowing violations. This certification is made on behalf of General Motors Corporation.
19116 (9)	

Revised 10/85





Environmental Activities Staff
General Motors Corporation
General Motors Technical Center
Warren, Michigan 48090

February 23, 1982

Mr. Guinn Doyle Department of Sanitary Engineering Indiana State Board of Health 1330 West Michigan Street Indianapolis, IN 46206

Dear Mr. Doyle:

General Motors Corporation (GM) hereby submits proof of financial capability as requested in the January 1982 letter from Mr. David Lamm to owners or operators of hazardous waste management facilities. As requested in item 6a of the letter, attached are copies of GM's most recent quarterly and annual reports, and a certificate of good standing issued by the Indiana Secretary of State's office.

Persuant to our telephone conversation of February 10, 1982, this submittal is made on behalf of all GM facilities in Indiana.

If any further information is needed, please contact me at (313) 575-8602.

Very truly yours,

Bill Collinson
William J. Collinson

William J. Collinson Staff Project Engineer Plant Environment

att.

STATE OF INDIANA OFFICE OF THE SECRETARY OF STATE

To Whom These Presents Come, Greeting:

I, EDWIN J. SIMCOX, Secretary of State of the State of Indiana, do hereby certify that I am, by virtue of the laws of this State, the Custodian of the Corporate Records and the Proper Office to execute this certificate.

I further certify that the records of this office disclose that

GENERAL MOTORS CORPORATION



In	Witness Whereof, I have hereunto	o set my hand and affixed
the	e seal of the State of Indiana, at the	City of Indianapolis, this
	17th	day oj
	FEBRUARY	, 1982
	Cauen J. Jun	wox
Ви	EDVIN J. SIME	OX, Secretary of State
- 3		Deputy



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

ank O'Bannon Governor

> Lori F. Kaplan Commissioner

100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015 (317) 232-8603 (800) 451-6027 www.in.gov/idem

December 5, 2001

Mr. Kevin W. Caraker **Environmental Engineer Environmental Sciences Rolls-Royce Corporation** P. O. Box 420 Indianapolis, IN 46206-0420

Dear Kevin:

This is in response to your letter dated November 27, 2001 regarding the following installation:

U.S. EPA ID.#IND000806810 Location: Former Allison Plant 10 700 N. Olin Avenue Indianapolis, IN 46222

According to the information submitted, you have indicated that this facility is no longer in need of the U.S. EPA ID number. Your ID number has been coded as an inactive number. Please DO NOT USE this number without re-notifying the Indiana Department of Environmental Management of your activity.

If you have any questions or need further assistance, please contact me at 317-232-7956.

Sincerely,

Marilyn J. Hansen, Environmental Manager

Facility Data Analysis Section

Office of Land Quality



Rolls-Royce Corporation P.O. Box 420 Indianapolis, Indiana 46206-0420 USA

November 27, 2001

Ms. Marilyn J. Hansen
Environmental Manager
Facility Data Analysis Section
Office of Land Quality
Indiana Department of Environmental Management
100 North Senate
P.O. Box 6015
Indianapolis, Indiana 46206-6015

Re:

Allison Engine Company, Plant 10

Notification of Regulated Waste Activity

IND000806810

Dear Marilyn:

Rolls-Royce Corporation (formerly Allison Engine Company) vacated and sold the property known as Allison Engine Company Plant 10 at 700 N. Olin Avenue in Indianapolis in 1998.

My records indicate that we may not have formerly requested deactiviation of the hazardous waste identification number (IND000806810) for this property.

Please consider this notice as such request, retroactive to the sale date of December 30, 1998.

Sincerely,

Kevin W. Caraker

Environmental Engineer

Environmental Sciences Tel: (317) 230-6095

Fax: (317) 230-6047 Mail Code: N-23 m 4336 OUT & BUSINSS

Mar in Marrhan Horse

State Form 4336

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT INDIANAPOLIS

OFFICE MEMORANDUM

TO: FORMER Allison Plant 10, RCRA 1B1 File

DATE: 10-30-2001

IND 000 806 810, Indpls., Marion Co.

FROM:

Gary Romesser LaR

THRU: Rosemary Cantwell fur

Compliance Section

SUBJECT:

Trip Report for the former Allison Plant 10 site

On October 10, 2001, I conducted a Compliance Evaluation Inspection (CEI) of the former Allison Plant 10 site, located at 700 N. Holt (formerly Olin) Avenue, Indianapolis. The site is currently operated and identified as Frazier Farms under John Loudermilk, owner/CEO. The facility building has been gutted and no hazardous or solid wastes were found on-site.

Representative at the site, Andrew Loudermilk (grandson of owner), indicated that the site is in the process of being sold.

File Audit

The facility was last inspected on September 23, 1996. No violations were found and the facility was no longer generating any hazardous waste. Some recent wastestreams were generated from underground tank removals. Manifests indicate lead contamination.

Additional Findings

A follow-up phone conversation with Mr. John Loudermilk revealed that the site has actually undergone a Voluntary Remedial Project (VRP). Andy Gremos, the contracted project manager, indicated that approximately 10,000 ton of contaminated soil/debris were removed from the west side of the property. He reported that most of the contamination was non-hazardous, but some was hazardous for lead. A project report will be submitted to IDEM's Voluntary Remediation Program.

Conclusions and Recommendations

Based on the above findings, I will notify our Data Analysis Section to request that the site be removed from the notifier's database.

cc: Marion County Health Department Marilyn Hansen

India Department of Environmental Man ement VERIFICATION OF INSPECTION

This is to verify that on	an inspection essentative of the Indiana Department	of Frazier Farms, 7001 ment of Environmental Management	U. Helt Rewas , Office of Land Qu
Type of Inspection:			
Complete Industrial/Haz Limited Industrial/Haz Industrial Waste Land	lazardous Waste Inspection zardous Waste Inspection fill Inspection	Complaint Multi-Media Screening Evaluation Other	
Inspection Findings:			
In compliance, no viol	lations observed.		
		ing the inspection. See inspection repor	
		ollow-up inspection. See inspection repo	
		fice of Enforcement. See inspection rep	
Additional information	n/review is required to evaluate over	all compliance.	
Other building	clean è no wostes		
Multi-Media Screening Checklist Fi			
Potential problems or corrected during the Potential problems or will be referred to the single-media inspect of the single-media inspect of Pollution Prevention: Pollution Prevention is the preferred min business and commercial operation, participation in Indiana's pollution preof Pollution Prevention and Technical A summary of violations and concerns during the inspection. The company is during the inspection may still be cited to any enforcement action, which may	areas of possible non-compliance we inspection. Refer to the final single areas of possible non-compliance we see Office(s) of	e were observed and noted on the multi- ere observed and noted on the multi-med- imedia inspection report and multi-med- ere observed and noted on the multi-med- ere observed and noted on the multi-med- graph of further investigation and re- graph of graph of checklist. on/review is required to evaluate overall office(s) in pursuing these matters. Indiana. The goal of pollution preventing, so that less environmental wastes are graph. Would your company like to be contoured to the undersigned of the company betaken into consideration in decident may be taken into consideration in decident. Written report will be provided with	dia screening checklist, but is screening checklist. dia screening checklist. dia screening checklist, and sponse. Refer to the final compliance, the Office(s) don is to promote changes generated. Your tacted by IDEM's Office dompany representative ons made and verified etermining the resolution
This verification cert IDEM Representative:	citys that he wastes ist at this site at time of	inspection	
Printed Name	Signature	Phone Number	Date
Gary Romesser	Sang Renew	317-308-3108	10-10-01
Company Representative:	.		
Printed Name	Signature	Phone Number	Date
Adrew Lowermille	My Low	37-557-0743	10-10-01
Street/PO Box	City, State, Zip	Ownership	Fax Number
55 S. Hading	Indiplo, In 4624	1	434-6197

county Marian

NOTIFIER DATABASE INFORMATION UPDATE FORM

EPA ID _	INDC	008069	810 N	ame <u>al</u>	lison Ci	igue Co	Plt
	information information	tion tha tion. <u>IF</u> E ANY CHAN	t is d THE LOCA GES. Retu	ifferent ATION ADI irn the f	from DRESS IS orm to Ma	change our cur DIFFEREN rilyn Han	rent C <u>DO</u>
NEW NAME		Formal (put old na	r allis into alias f	sen Al	t 10		
PREVIOUS	ID						
LOCATION							
MAILING A	-				DUONE		
CONTACT _	2	OWNER TYPE	?E		- bhoùe -		
STATUS CO	DDE	1 2	ictive 5-out-o reg under other				
SIC CODES	5						
GENERATOR 1-LOG 2-SOG 3-CEG		TRANSPO sefor of cecount xedon't	m waste rcially	TS	SD		
COMMENTS		Neu) owner				
name	Mainly	en Han	isln		DATE	7/26/06) *************************************
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Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMS No. 2050-0028 Expires 12/31/02 GSA No. 0245-EPA-OT

Please refer to Section V. Line-by-Line instructions for Completing
EPA Form 8700-12 before
completing this form. The
information requested here is
required by law (Section 3010 of

Notification of Regulated Waste Activity

. Pate Received (For Official Use Only)

JUL 3 1 2000

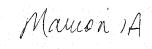
Recovery Act). United States Environmental Protection Agency	7ax 7.25.00
I. Installation's EPA ID Number (Mark 'X' in the appropriate box)	
A. Initial Notification B. Subsequent Notification (Complete item C) C. Installation's EPAID D N D O D 8	Number 0 6 8 1 0
II. Name of Installation (Include company and specific site name)	
FORMER Allison Plant #10	
III. Location of Installation (Physical address not P.O. Box or Route Number)	
Street	
700 North 1011; n Avenue	
Street (Continued)	
City or Town State Zip Code	
In 8 i aluapollis IIN 8672	0-1
County Code County Name	
01917[Maltion]	
IV. Installation Mailing Address (See instructions)	
Street or P.O. Box	
Sam'e lili	
City or Town State Zip Code	
V. Installation Contact (Person to be contacted regarding waste activities at site)	
Name (Last) (First)	
Lew75 Robert	
Job Title Phone Number (Area Code and Numb	
Compliance Mar. 1770-858-12	564
VI. Installation Contact Address (See instructions)	
A. Contact Address Location Mailing B. Street or P.O. Box	
7999 Circle 75 Park	way
City or Town State Zip Code	
AH Lanta 6/43033	9-11
VII. Ownership (See instructions)	
A. Name of Installation's Legal Owner	
Genuine Parts Company	
Street, P.O. Box, or Route Number	
2999 Circle 75 Parkway	
City or Town State Zip Code	
Atlanta	141-
Phone Number (Area Code and Number) B. Land Type C. Owner Type Indicator	Date Changed Month Day Year
770-858-2564 P P YOS NO	

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02 GSA No. 0246-EPA-OT

	ID - For Official Use Only					
IN I	0000806810					
VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions)						
A. Hazardous Waste Activities	C. Used Oil Management Activities					
1. Generator (See Instructions) a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (220-2,200 lbs.) c. Less than 100 kg/mo (220 lbs) 2. Transporter (Indicate Mode in boxes 1-5 below) a. For own waste only b. For commercial purposes Mode of Transportation 1. Air 2. Rail 3. Highway 4. Water 5. Other - specify	1. Used Oil Transporter/Transfer Facility - Indicate Type(s) of Activity(ies) a. Transporter b. Transfer Facility 2. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies) a. Processor b. Re-refiner 3. Off-Specification Used Oil Burner 4. Used Oil Fuel Marketer a. Marketer Who Directs Shipment of Off-Specification Used Oil to Used Oil Burner b. Marketer Who First Claims the Used Oil Meets the Specifications					
B. Universal Waste Activity						
☐ Large Quantity Handler of Universal Waste						
IX. Description of Hazardous Wastes (Use additional sheets if necessary)						
A. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See instructions if you need to	list more than 12 waste codes.)					
1 FOOQ 3 4 FOOQ 5 10	5 6 11 12 12					
B. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes correspondent of the following provided Hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.20 to list more than 4 toxicity characteristic waste codes.) (List specific EPA hazardous waste number(s) for the following provided in the following provided Hazardous waste number(s) for the following provided in the following provided in the following provided Hazardous waste number(s) for the following provided in the following provided Hazardous waste number(s) for t	24; See instructions if you need					
C. Other Wastes. (State-regulated or other wastes requiring a handler to have an I.D. no.	ımber; See Instructions.)					
1 2 3 4	5 6					
X. Certification						
I certify under penalty of law that this document and all attachments were prepared under my a system designed to assure that qualified personnel properly gather and evaluate the info the person or persons who manage the system, or those persons directly responsible for submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am a submitting false information, including the possibility of fine and Imprisonment for knowledge.	rmation submitted. Based on my inquiry of gathering the information, the information ware that there are significant penalties for ng violations.					
Signature Robert M. LEWIS, ENVIRON						
XI. Comments						
Genuine Parts Coupany leased properly from Associated flagerties 317-634-6190 at time of waste gradient or State Office. (See Section 1	<u> </u>					

Out of Business;







OFFICE OF LAND QUALITY HAZARDOUS WASTE HANDLER IDENTIFICATION

	INFORMATION ON FILE as of 10/26/2001	CHANGES NEEDED (please print)
COUNTY	MARION	Reason for submittal Subsequent notification to update information As a component of the annual or biennial report
RCRA ID	IND000806810	As a component of the annual operation fees
NAME	FORMER ALLISON PLT 10	
LOCATION	700 N OLIN AVE	
ADDRESS	INDIANAPOLIS IN 46222	we moved *post office change
MAILING	2999 CIRCLE 75 PKWY	
ADDRESS	ATLANTA GA 30339	
CONTACT Title Address	ROBERT LEWIS COMPL MGR 2999 CIRCLE 75 PKWY	
	ATLANTA GA 30339	
Phone Fax	770-858-2564 Ext	
E-mail	BOB_LEWIS@GENPT.COM	
OWNER Address	GENUINE PARTS CO 2999 CIRCLE 75 PKWY	
	ATLANTA GA 30339	
phone fax e-mail	770-858-2564 Ext	Did the owner change?YesNo
Land type	P (See instructions for codes)	* WARNING
Owner type	(See instructions for codes)	If you have moved you may no longer use your old RCRA ID number IDEM will issue a number for your new location.
Contact for questions on	the Last Name <u>LEWIS</u> ial report Title <u>ENVIRONMENTAL MGR</u>	First NameFirst Name

Last Name	LEWIS		First name	ROBERT		_ Title KNVIRON	HENTAL MER
Signature _	Robert	JM few	i		Date	1/2/02	

IND000806810

FORMER ALLISON PLT 10

ACTIVITY	OLQ records	Current status	Previous (report) year status
GENERATOR LQG = large quantity SQG = small quantity CESQG = conditionally exempt	LQG	LQGNon-handler *Out of Business*	When ID form is sent with fees or rep X_LQGNon-handler*CEGOut of Business*
TREATMENT, STORAGE, DISPOSAL FACILITY		Active TSD Inactive TSD Completed RCRA closure Post closure activities	Active TSD Inactive TSD Completed RCRA closure Post closure activities
TRANSPORTER S = we transport our own waste C = we transport waste for others X = transporter, status unknown		We transport our own waste (S)We transport for others (C)No longer transport; still in businessOut of business	* If you have checked out of business or non-handler, we will deactivate your RCRA ID number.
EXEMPT BOILER and/or INDUSTRIAL FURNACE			You must re-notify IDEM before you may reuse the number.
melting,melting,refining exemption mall quantity on site burner exemption	-	smelting,melting,refining exemption small quantity on site exemption	
USED OIL			
Transporter	Processor	Marketer who directs shipme	ent to off-specification burner
Transfer Facility	Re-refiner	Marketer who first claims the	
— •			
Collection Ctr	Recyler	Off-specification Used Oil Bu	
UNIVERSAL WASTE	Recyler TRANSFER FACILITY		
UNIVERSAL	TRANSFER		ırner
UNIVERSAL	TRANSFER FACILITY	Off-specification Used Oil Bu	
UNIVERSAL WASTE L = large handler	TRANSFER FACILITYMix	Off-specification Used Oil Bu	Open containers
UNIVERSAL WASTE L = large handler S = small handler	TRANSFER FACILITYMix	Off-specification Used Oil Bu Combine Pump Comingle Repackage	Open containers
UNIVERSAL WASTE L = large handler S = small handler	TRANSFER FACILITYMix	Off-specification Used Oil Bu Combine Pump Comingle Repackage	Open containers Transfer between vehicles

COMMENTS GENUINE PARTS COMPANY DOES NOT OWN THE PROPERTY STIE.

WE ARE CONDUCTING SITE REMEDIATION WHICH GENERATED HAZARDOW

WASTES. THE PROPERTY OWNER IS JOHN LONDERMICK.

Page 2 of 2

Mauin Co 1A



Indiana Department of Environmental Management

We make Indiana a cleaner, healthier place to live

Frank O'Bannon
Governor

John M. Hamilton
Commissioner

100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015 Telephone 317-232-8603 Environmental Helpline 1-800-451-6027

November 6, 1997

Mr. Kevin W. Caraker Environmental Engineer Environmental Sciences Allison Engine Company P. O. Box 420, Mail Stop N23 Indianapolis, Indiana 46206-0420

Dear Mr. Caraker:

Re: U.S. EPA ID Number IND000806810 Location: 700 N. Olin Avenue Indianapolis, Indiana

In response to your correspondence dated November 3, 1997, the following information has been updated:

Generator Status: Conditionally Exempt Small Quantity Generator

If you have any questions or need further assistance, please contact me at 317-232-7956.

Sincerely,

Marilyn J/Hansen, Environmental Manager

Hazardous Waste Data Analysis and

Waste Minimization Section

Hazardous Waste Compliance Branch

Solid and Hazardous Waste Management

In Sept

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Please refer to the Instructions for Filling Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

⇔EPA

Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received (For Official Use Only)

NOV 0 6 1997

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EPA Form 8700-12 (Rev. 11-30-93) Previous edition is obsolete.

Continued on Reverse

		· ID - For Official Use Only
 ,		
VIII. Type of Regulated Waste Activity (Mai		er to Instructions)
A. Hazardous Wa	aste Activity	B. Used Oil Recycling Activities
1. Generator (See Instructions) a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (200-2,200 lbs.) c. Less than 100 kg/mo (220 lbs) Transporter (Indicate Mode in boxes 1-5 below) a. For own waste only b. For commercial purposes Mode of Transportation 1. Air 2. Rail 3. Highway 4. Water 5. Other - specify	□ 3. Treater, Storer, Disposinstallation) Note: A perequired for this activitinstructions. 4. Hazardous Waste Fuel □ a. Generator Marketing to □ b. Other Marketers □ c. Boller and/or industrial F □ 1. Smelter Deferral □ 2. Small Quantity Exelenticate Type of Comb Device(s) □ 1. Utility Boller □ 2. Industrial Boller □ 3. Industrial Furnace □ 5. Underground Injection Comb	a. Marketer Directs Shipment of Use Oil to Off-Specification Burner b. Marketer Who First Claims the Use Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) Combustion Device(s) a. Utility Boller b. Industrial Boiler c. Industrial Furnace 3. Used Oil Transporter - Indicate Type of Activity(ies) a. Transporter b. Transfer Facility 4. Used Oil Processor/Re-refiner-Indicate Type(s) of Activity(ies)
X. Description of Hazardous Wastes (Use :	additional sheets if necessary)	
3. Listed Hazardous Wastes. (See 40 CFR 20 7 8 8	3 4 9 10 ning a handler to have an I.D. numbers 3 4	5 6 11 12 12 12 15 5 6 15 6 15 15 15 15 15 15 15 15 15 15 15 15 15
or persons who manage the system, or those pers	el properly gather and evaluate the inf cons directly responsible for gathering and complete. Lam aware that there are	formation submitted. Based on my inquiry of the person ng the information, the information submitted is, to the e significant penalties for submitting false information or print) Date Signed
i. Comments		
ote: Mail completed form to the appropriate EPA	Regional or State Office. <i>(See Sec</i>	ction III of the booklet for addresses.)

EPA Form 8700-12 (Rev. 11-30-93) Previous edition is obsolete.



Allison Engine Company P.O. Box 420

O. Box 420 Indianapolis, Indiana 46206-0420

Tel: (317) 230-6095 Fax: (317) 230-6047

November 3, 1997

Ms. Marilyn Hansen
Office of Solid and Hazardous Waste
Indiana Department of Environmental Management
100 N. Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015

Re: Allison Engine Company, Plant 10 Notification of Regulated Waste Activity EPA ID No. IND000806810

Dear Ms. Hansen:

EPA Form 8700-12 is herein submitted to update generator status for Allison Engine Company Plant 10 (IND000806810). The property is now leased by Allison Engine Company and the present tenant does not generate hazardous waste. The previous owner, General Motors Corporation, has obtained a temporary ID for any waste which may be generated by any remediation activity conducted at this site.

If you have any question, please contact me at (317) 230-6095.

Sincerely,

Kevin W. Caraker

Environmental Engineer

Environmental Sciences



Indiana Départment of Environmental Management

We make Indiana a cleaner, healthier place to live

Evan Boyk Governor Kathy Prosser Commissioner

105 South Meridian Street P.O. Box 6015 Indianapolis, Indiana 46206-6015 Telephone 317-232-8603 Environmental Helpline 1-800-451-6027

August 31, 1992

Ms. Lynn Gibboney Allison Transmission Division P.O. Box 894 Indianapolis, Indiana 46206

Dear Ms. Gibboney:

Re: Manifest Record Review
Allison Transmission Division
EPA I.D. Nos. IND 006413348
IND 072082316
IND 000806828
IND 000806794
IND 000806810
IND 000806802
IND 981952716
Indianapolis, Marion County

The Indiana Department of Environmental Management (IDEM), Office of Solid and Hazardous Waste Management (OSHWM), Manifest Tracking (MT) staff conducted a Manifest Record Review (MRR) on August 25, 1992, at your facility located at 4700 West 10th Street, Indianapolis, Indiana. Mr. Phillip Duvall, r presented Allison Transmission Division during this MRR.

Based upon documents available to the MT staff on this date, it has been determined that Allison Transmission Division is in compliance with Indiana Administrative code 329 IAC 3.1.

please contact Mr. Julian J. Mills of this office at 317/232-795

Very Truly Yours

T.J. Knotts, Chief

Policy and Planning Branch

Solid and Hazardons Waste Management

An Equal Opportunity Employer



STATE OF INDIANA BIENNIAL REPORT 1989

GMC-DDAD LANT 10
700 N. OLIN AVENUE
TNDIANAPOLIS

INDIANAPOLIS GEN INDOOO806810 RECEIVED

FORM I: INSTALLATION IDENTIFICATION FORMAN

WHO MUST COMPLETE FORM I? Every site that re	eceives this package.
	before completing all forms. The information requested herein
I. INSTALLATION'S EPA I.D. NUMBER I N	D 0 0 8 0 6 8 1 0
II. NAME OF INSTALLATION PLANT 1	O A L L I S O N G A S T U R B I N E - G N
III. INSTALLATION MAILING ADDRESS	
Street Or P.O. Box Plol Blolx 14121011	SI4 4 A
City Or Town INDIANAPOLIS	
State I N	Zip Code 4 6 2 0 6
IV. LOCATION OF INSTALLATION	
Street Or P.O. Box 710101 IN101RITIH1 101	LIIN AVE
City Or Town I ND I A N A P O L I S I	
State II N Zip Code 4 6 2 2	2 County M A R I O N
V. HAZARDOUS WASTE ACTIVITY	
Mark the boxes that reflect the activities at your facility	in 1989.
Lampa Occasión Co	
Large Quantity Generator (G) generated 1,000 or more kg/month of RCRA hazardous waste	RCRA Exempt treatment, recycling or disposal was conducted in RCRA exempt units
Small Quantity Generator (SQG) generated between 100-1,000 kg/month of RCRA hazardous waste	
Conditionally Exempt Generator (CEG) generated less than 100 kg/month of RCRA hazardous waste	
Transporter (T) transported RCRA hazardous waste	
Treatment, Storage or Disposal Facility (TSD) operated under interim status or a final RCRA per	mit – Maria de la compania de la co Mita de la compania d
Non handler Did not handle RCRA hazardous waste because:	
We never generated	X Occasional generator (but none in 1989)
We are out of business	Other (Specify in Comments)
Only excluded or delisted waste	PAGE 1 OF2 (OVER)

boxes below.
VI. STATUS CHANGES
a. We have moved. b. We have changed ownership.
c. We have changed hazardous waste activity.
** If any of the above three boxes are marked, you will need to fill out the EPA Notification of Hazardous Waste Activity Form, and return it with this packet.
d. We have gone out-of-business.
e. We no longer handle hazardous waste.
** If you check either of these boxes, we will deactivate your EPA ID number and you may no longer use it without renotifying U.S. EPA, Region V.
x f. We have changed our name (but not ownership).
VII. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE (See Table I)
(1) <u>4 2 2 5</u> (2) <u>(3) (4) </u> (4)
VIII. INSTALLATION CONTACT
Last Name First Name Phone (area code & no.) E T Z E L
IX. CERTIFICATION
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
F. B. Wallace, V.P. & Gen. Mgr. 4-2-9
(A.) PRINT OR TYPE NAME AND TITLE (B.) SIGNATURE (C.) DATE SIGNED Please print or type with ELITE type (12 characters per inch). On behalf of General Motors
State Form 19288R Revised 8/89

PAGE ____



Allison

April 25, 1985

Jacqueline Strecker
Land Pollution Control Division
Indiana State Board of Health
1330 W. Michigan
Indianapolis, Indiana 46202

Dear Ms. Strecker:

As a result of my conversation with you on April 11, 1985, I feel that an update on the Detroit Diesel Allison and Allison Gas Turbine Divisions here in Indianapolis is warranted. This update will provide information so that your files can be updated and future confusion eliminated in your filing systems and correspondence relative to our operations in Marion County.

The actual plant locations and numbers, plus the EPA identification numbers for Detroit Diesel Allison Division in Indianapolis are as follows:

Detroit Diesel Allison Division 4700 W. 10th Street P. O. Box 894 Indianapolis, IN 46206

Plant No.		I.D.#
1		IND072082316 √
2 🗸		IND000806828
3		IND006413348
4		IND000806794
12/14		IND000806802 🗸

The actual plant locations and numbers, plus the EPA identification numbers for Allison Gas Turbine Division in Indianapolis are as follows:

Allison Gas Turbine Division 2001 South Tibbs Ave. P.O. Box 420 Indianapolis, Indiana 46206-0420

Plant No.	I.D.#
5	IND000806836V,
8	IND094469913
10	IND000806810/

Your contact for environmental information, etc. for any of these locations is:

> Pete Cook Speed Code S-44A Allison Gas Turbine Division, GMC P.O. Box 420 Indianapolis, Indiana 46206-0420

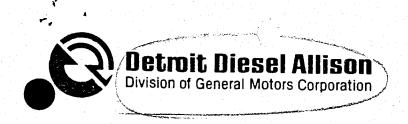
Thank you for your cooperation in this matter.

Sincerely,

P. P. Cook, Superintendent Environmental Science

PPC/gl (41285c)

xc: Ralph Pickard David Lamm / Harry Williams Earl A. Bohner Valdas Adamkus



Indianapolis Operations

P.O. Box 894 Indianapolis, Indiana 46206 Phone: (317) 242-5000 Cable: GM COMM IND A

28 October 1982

Mr. Valdas Adamkus Regional Administrator Region V EPA 230 South Dearborn Chicago, Illinois 60604

Dr. Ronald G. Blankenbaker Commissioner Indiana State Board of Health 1330 West Michigan P.O. Box 1964 Indianapolis, Indiana 46206

Subject: Delegation of Authority to Sign U.S. EPA Reports

For all reports and other information required of the Indianapolis Operations of Detroit Diesel Allison Division of General Motors, and as specified in the Code of Federal Regulations (40CFR122.6), the authority to sign for permits and other information required by the Environmental Protection Agency is delegated to the Plant Engineer of Indianapolis Operations.

L. F. Koci General Manager

cc: R. G. Barnes

TIA 1-1 17-801

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NOTIFIER DATABASE INFORMATION UPDATE FORM

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Notification of Regulated

Date Received (For Official Use Only)

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III. Type of Regulated Waste Activity (Mari	k 'X' in the appropriate boxes; Refer	to instructions)
A. Hazardous Wa		B. Used Oil Recycling Activities
And the second s	3. Treater, Storer, Disposer Installation) Note: A perm required for this activity; instructions. 4. Hazardous Waste Fuel a. Generator Marketing to But b. Other Marketers c. Boiler and/or Industrial Furth 1. Smelter Deferral 2. Small Quantity Exemp Indicate Type of Combus Device(s) 1. Utility Boiler	(at is a. Marketer Directs Shipment of Use Oil to Off-Specification Burner b. Marketer Who First Claims the Use Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) Combustion Device(s) a. Utility Boller b. Industrial Boller c. Industrial Furnace 3. Used Oil Transporter - Indicate Type
4. Water 5. Other - specify	2. Industrial Boller 3. Industrial Furnace 5. Underground Injection Cont	Used Oil Processor/Re-refiner - Indic Type(s) of Activity(ies)
C. Description of Hazardous Wastes (Use a		b. Re-refine
A. Characteristics of Nonlisted Hazardous nonlisted hazardous wastes your installation lightable 2 Corroster 3 Reactive 4 Tox (D001) (D002) Chi	handles; See 40 CFR Parts 261.20 - 2	responding to the characteristics of 261.24) rests number(s) for the Toxicity characteristic contaminent(s
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Milhuln	S. M. HUDSON, President	& coo 11/2/95
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VII. D - See attached.		en transporter en
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FPA Form 8700-12 /Pau 11-20-02) Decuious adition is should

Comment (Item VII.D) - EPA Notification of Regulated Waste Activity, EPA Form 8700-12 EPA ID. No. IND000806810

The following is provided to clarify ownership changes from 1993 to present.

Prior to December 1, 1993

Name of Installation

Owner

Allison Gas Turbine Plant 10

General Motors Corporation

3044 N. Grand Blvd. Detroit, MI 48202 Phone: (313) 974-5000

December 1, 1993 through March 23, 1995

Name of Installation

Owner

Allison Engine Company Plant 10

Clayton, Dublier, and Rice

126 E 56th Street New York, NY 10022 Phone: (212) 407-5200

March 24, 1995 to Present

Name of Installation

Owner

Allison Engine Company Plant 10

Rolls-Royce North America Inc.

11911 Freedom Drive Reston, VA 22090 Phone: (703) 834-1700



Allison Engine Company P.O. Box 420 Indianapolis, Indiana 46206-0420

Tel: (317) 230-6095 Fax: (317) 230-6047

November 1, 1995

U.S. EPA Region V RCRA Activities P.O. Box A3587 Chicago, Illinois 60690

Re: Allison Engine Company Plant 10, EPA ID No. IND000806810

To whom it may concern:

EPA Form 8700-12 is herein submitted to update hazardous waste generator information for Allison Engine Company - Plant 10 (IND000806810). A change of ownership of this facility has occurred and is indicated in Section VII.

If you have any question, please contact me at (317) 230-6095.

Sincerely,

Kevin W. Caraker

Environmental Engineer Environmental Sciences

cc: J. Dooley, Indiana Department of Environmental Management

STATE OF INDIANA HAZARDOUS WASTE HANDLER INFORMATION UPDATE FORM

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CONTACT:	T: CARAKER, KEVIN PO BOX 420 MS N23 INDIANAPOLIS 317-230-6095 - CO Rex York	* ONE TIME GENERATOR * If you have checked one of these categories, your EPA ID number will be de you will have to reapply for it if you ever need to manifest waste off-site again. SIC CODES: PRIMARY SECONDARY	* ONE TIME GENERATOR * If you have checked one of these categories, your EPA ID number will be deactivated and you will have to reapply for it if you ever need to manifest waste off-site again. SIC CODES: PRIMARY SECONDARY	-
OWNER:	ALLISON ENGINE CO INC PO BOX 420 INDIANAPOLIS IN 46206	COMMENTS:		1
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NOTIFIER DATABASE INFORMATION UPDATE FORM

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per inch) in the unshaded areas only

Please refer to the Instructions for Filling Notification before completing this form. The information requested here is equired by law (Section 3010 fithe Resource Conservation and Recovery Act).

SEPA

Notification of Regulated Waste Activity

Date Received (For Official Use Only)

OCT 2 0 1994

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		ID - For Official Use Only
VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes; Refer to inst	ructions)
	Waste Activity	B. Used Oil Recycling Activities
1. Generator (See Instructions) a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (200-2,200 lbs.) c. Less than 100 kg/mo (220 lbs) 7. Transporter (Indicate Mode in boxes 1-2 below) a. For own waste only b. For commercial purposes Mode of Transportation 1. Air 2. Rail 3. Highway 4. Water 5. Other - specify IX. Description of Hazardous Wastes (Use	□ 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity; see instructions. 4. Hazardous Waste Fuel a. Generator Marketing to Burner b. Other Marketers c. Boiler and/or Industrial Furnace 1. Smeller Deferral 2. Small Quantity Exemption Indicate Type of Combustion Device(s) 1. Utility Boiler 2. Industrial Boiler 3. Industrial Furnace □ 5. Underground Injection Control	1. Used Oil Fuel Marketer a. Marketer Directs Shipment of Used Oil to Off-Specification Burner b. Marketer Who First Claims the Use Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) of Combustion Device(s) a. Utility Boller b. Industrial Boller c. Industrial Furnace 3. Used Oil Transporter - Indicate Type(of Activity(les)) a. Transporter b. Transfer Facility 4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(les) a. Process b. Re-refine
A. Characteristics of Nonlisted Hazardo nonlisted hazardous wastes your installation	ous Wastes. (Mark 'X' in the boxes correspontion handles; See 40 CFR Parts 261.20 - 261.24)	nding to the characteristics of
1. Ignitable 2: Corrosive 1: Reactive 4. (D001) (D002) (D003)	Characteristic (List specific EPA hazardous waste nu	amber(s) for the Toxicity characteristic contaminant(s))
B. Listed Hazardous Wastes. (See 40 CF)	R 261.31 - 33; See instructions if you need to lis	st more than 12 waste codes.)
7 8	3 4 9 10	5 6 11 12 12
C. Other Wastes. (State or other wastes req	quiring a handler to have an I.D. number; See i	instructions.)
1 2	3 4	5 6
X. Certification		
or persons who manage the system, or those n	nt and all attachments were prepared under my nnel properly gather and evaluate the information persons directly responsible for gathering the int e, and complete. I am aware that there are signific ment for knowing wicklesses.	submitted. Based on my inquiry of the person
Signature	Name and Official Title (Type or prin	nt) Date Signed
Malher	F. BLAKE WALLACE, PRESIDENT	
XI. Comments		
AL COUNTRINS		
Note: Mail completed form to the appropriate E	EPA Regional or State Office. (See Section III o	of the booklet for addresses.)

EPA Form 8700-12 (Rev. 11-30-93) Previous edition is obsolete.



October 17, 1994

Ms. Marilyn Hansen Indiana Department of Environmental Management Office of Solid and Hazardous Waste Management P. O. Box 7035 Indianapolis, Indiana 46207-7035

Dear Ms. Hansen:

This letter is written to inform you of hazardous waste activities at Allison Engine Company Plant 10. We are requesting reactivation of EPA ID No. IND000806810 as a hazardous waste generator by submitting EPA form 8700-12.

If you have any questions please feel free to contact me at (317) 230-5456. Thank you for your cooperation.

Sincerely,

Patricia A. Ellis, Manager Environmental Sciences

com Mayon

3/2/94

NOTIFIER DATABASE INFORMATION UPDATE FORM

EPA ID IND000806810 NAME allison Gas Turbul Plt
Review the attached notification and change any information that is different from our current approach as DIFFERENT DO
information. <u>IF</u> THE LOCATION ADDRESS IS DIFFERENT <u>bo</u> NOT MAKE ANY CHANGES. Return the form to Marilyn Hansen.
NEW NAME Allisa English Co Inc Plat 10 (put old name into alias field)
NEW NAME (put old name into alias field)
PREVIOUS ID
LOCATION ADDRESS
MAILING ADDRESS POBMO420 MS N23
CONTACTPHONE
LAND TYPEOWNER TYPE
STATUS CODE 1=active 5=out-of-business 6=non-handler OFFICIAL FL 2=reg under other ID 3=dead mail
SIC CODES
GENERATOR DILL TRANSPORTER TSD 1=LQG
2=SQG c=commercially 3=CEG x=don't know
COMMENTS New Owner allison Engine Comments
DATE 3/2/94
NAME J) alugh Hanolin DATE

WASTE HANDLER INFORMATION UPDATE FORM STATE OF INDIANA

COUNTY: MARION	*** HAZARDOUS WASTE ACTIVITY ***	DEM 1993 FUTURE	Large Quantity Generator (LQG)	Small Quantity Generator (SQG)	Conditionally Exempt (CEG)	Transporter S = for our own waste		Treatment, storage, (TSD) & disposal	* NON HANDLER	• OUT OF BUSINESS	* ONE TIME GENERATOR • If you have cheeked one of these categories, your EPA ID number will be descrivated and	you will have to reapply for it if you ever need to manifest waste off-site again.	SIC CODES: 3724 RECONDARY	COMMENTS: No previous form available. Change of	ownership in 1993. Deactivation reques	. 3	ДАТЕ: «ДА8/94/	
EPA ID: IND. 000806836 Special Responsible in the Mari	NAME: ALLISON ENGINE CO., INC PLANT 10		Is the name change due to a change in ownership? \overline{X} yes no	LOCATION 700 N. OLIN AVE. 2355 S ADDRESS: INDIANAPOLIS, IN 46222	Сћануе	NONE Is the location address change due to a move or did the Post Office change your address?	We moved PO change Other (please explain in comments)	MAILING P. O. BOX 420, MAIL STOP N-23 ADDRESS: INDIANAPOLIS, IN 46206	Change AS ABOVE		CONTACT: KEVIN CARAKER P. O. BOX 420, STOP N23	IAN	Change AS ABOVE		OWNER: ALLISON ENGINE CO., INC.	Change AS ABOVE		win Caraker 3/2/94 01708 30 201390

Deactivation requested

trie Marion

12/21/93

NOTIFIER DATABASE INFORMATION UPDATE FORM

EPA ID TNDC	00806810	NAME allison	sas Jurom
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	(put old name into a	illas field)	
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SIC CODES			
GENERATOR 1=LQG 2=SQG 3=CEG	TRANSPORTER s=for own waste c=commercially x=don't know		
COMMENTS			
NAME Ma	iilyn Hanser	DATE	12/21/93

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UNITED ATES ENVIRONMENTAL PROTECTION AGENCYAND HAZARDOUS WASTE MONT

REGION 5

77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

DEM DEC 20

ALLISON GAS TURBINE GM ATTN: PATRICIA A. ELLIS P.O. BOX 420 INDIANAPOLIS, IN 46206

REPLY TO THE ATTENTION OF:

This is in response to your letter of 12 - 01 - 93 regarding the following installation:

U.S. EPA ID NUMBER:

LOCATION OF INSTALLATION:

TND 000-806-810 700 N OLIN AVE INDIANAPOUS, IN 46206

According to the information submitted, you have indicated that this facility is no longer in need of the U.S. EPA ID number. Your ID number has been coded as an inactive number. DO NOT USE this number without re-notifying the U.S. EPA of your activity.

If you have any questions or need further assistance, please contact me at (312) 886-6173.

Sincerely,

Sharon Kiddon

RCRA Notifications Coordinator

Waste Management Division

Shan feddon

Enclosure

cc: State Agency

File

Printed on Recycled Paper



Allison

November 29, 1993 (RF:NC2648a)

Ms. Sharon Kiddon
US EPA Region V
RCRA Activities
Waste Management Division
77 Jackson Street
Chicago, IL 60604

Dear Ms. Kiddon:

This letter is written to inform you that Allison Gas Turbine, Plant 10 is no longer a generator of hazardous waste. We are hereby requesting deactivation of the generator identification number (IND 000806810) for this facility. All hazardous wastes previously generated at this site have been manifested to an off site treatment facility.

If you have questions, contact me at (317) 230-5456. Thank you for your cooperation in this matter.

Sincerely,

Patricia A. Ellis, Manager Environmental Sciences

pae/nc

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November 24, 1993 (RF:NC2648)

US EPA Region V RCRA Activities Waste Management Division 77 Jackson Street Chicago, IL 60604

Gentlemen:

This letter is written to inform you of hazardous waste activities at Allison Gas Turbine, Plant 10. We are requesting reactivation of EPA ID# IND 000806810 as an hazardous waste generator by submitting EPA Form 8700-12. This will be effective only for a one time generation of hazardous waste and will be deactivated following transport to an off-site treatment facility.

If you have questions, contact me at (317)230-5456. Thank you for your cooperation in this matter.

Sincerely,

Patricia A. Ellis, Manager Environmental Sciences

pae/nc

No Villago

NOTIFIERS DATABASE CHANGE OF STATUS FORM

file: 1A

EPA ID INDOOO 806 810 PREVIOUS-ID NAME GMC-DOAD - PLAWT 10 NEW NAME Plant 10 Allison Gas Turbine - GM alias-one
NEW NAME Plant 10 Allison Gas Trabina Call
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MAIL-ADDRESS P.O. BOX 420
MAIL-CITY, STATE, ZIP Indianapolis, IN. 46206
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LOC-CITY, STATE, ZIP
COUNTY
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CONTACT GREGORY Etzel PHONE 317-230-346 GAL-TYPE
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51C', 4225



STATE OF INDIANA BIENNIAL REPORT 1989

GMC-DDAD-PLANT 10 700 N= OLIN AVENUE INDIANAPOLIS SEN INDOOO306810

FORM I: INSTALLATION IDENTIFICATION FORM

WHO MUST COMPLETE FORM I? Every site that receives this package.
INSTRUCTIONS: Please refer to the specific instructions before completing all forms. The information requested herein is required by IC 13-7-8.5-2.
I. INSTALLATION'S EPA I.D. NUMBER I N D O O 8 O 6 8 1 O
II. NAME OF INSTALLATION PILIAINITI 11 0 ALLILII SIOINI IGIAISI ITIUIRIBII IN E E GI
III. INSTALLATION MAILING ADDRESS
Street Or P.O. Box P 0 B 0 X 4 2 0
City Or Town INDIANAPOLIS
LOCATION OF INSTALLATION
Street Or P.O. Box 7 0 0 N 0 R T H 0 L I N A V E
City Or Town I N D I A N A P O L I S
V. HAZARDOUS WASTE ACTIVITY
Mark the boxes that reflect the activities at your facility in 1989.
Large Quantity Generator (G) generated 1,000 or more kg/month of RCRA hazardous waste RCRA Exempt treatment, recycling or disposal was conducted in RCRA exempt units
Small Quantity Generator (SQG) generated between 100-1,000 kg/month of RCRA hazardous waste
Conditionally Exempt Generator (CEG) generated less than 100 kg/month of RCRA hazardous waste
Transporter (T) transported RCRA hazardous waste
Treatment, Storage or Disposal Facility (TSD) operated under interim status or a final RCRA permit
Non handler Did not handle RCRA hazardous waste because:
We never generated X Occasional generator (but none in 1989)
We are out of business Other (Specify in Comments)

STATUS CHANGES	
a. We have moved.	
b. We have changed ownership.	
c. We have changed hazardous waste activity.	
** If any of the above three boxes are marked, you will need to fill out Hazardous Waste Activity Form, and return it with this packet.	the EPA Notification of
d. We have gone out-of-business.	
e. We no longer handle hazardous waste.	
** If you check either of these boxes, we will deactivate your EPA ID number it without renotifying U.S. EPA, Region V.	and you may no longer use
f. We have changed our name (but not ownership).	
(1)4225 (2) (3)	(4)
INSTALLATION CONTACT	
Last Name First Name	Phone (area code & no.)
E T Z E L	3 1 7 / 2 3 0 - 3 4 6
CERTIFICATION I certify under penalty of law that this document and all attachments were properties on in accordance with a system designed to assure that qualified properties the information.	ersonnel properly gather and ons who manage the system, or ion submitted is, to the best of
evaluate the information submitted. Based on my inquiry of the person or person those persons directly responsible for gathering the information, the informat my knowledge and belief, true, accurate, and complete. I am aware that there submitting false information, including the possibility of fine and imprisonment	e are significant penalties for the forknowing violations.
those persons directly responsible for gathering the information, the information my knowledge and belief, true, accurate, and complete. I am aware that the	e are significant penalties for the forknowing violations.

Please print or type with ELITE type (12 characters per inch). On behalf of General Motors

State Form 19288R Revised 8/89

PAGE

OF

CHANGE OF STATUS FORM

company name \overline{Z}	etroit Fresel Allison Plant 10 EPA ID IND 00080
	DP file name: GMC-DDAD-Plant 10
Name	Address ID Number Activity
Status	Contact Phone Other
(Please check any below.)	appropriate boxes. Then cite the new data on the lines
Your Name:	Sofausch Try/8
Data to be changed	
NAME =	GMC-DDAD-Plant 10
MAILING ADDRESS =	P.O. Box 420 Indiapolis In 46206-0420
•	
LOCATION =	200 M. Olin ave Indianopolis, In 46222
CONTACT =	Pete Cook Speed Code 5-44A
PhoNE	
ACTIVITY =	G
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IX. DESCRIPTION OF HAZAR	DOUS WASTES (con	tinued from fron	1	CONTRACTOR OF THE		40.5
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C. COMMERCIAL CHEMICAL PRO	DUCT HAZARDOUS W.	ASTES. Enter the f	our-digit number from	40 CFR Part 261.33	for each chemical su	ıb-
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I certify under penalty of law attached documents, and that	v that I have personal	ly examined and	am familiar with th	e information sub-	nitted in this and	all
I believe that the submitted in	rformation is true, acc	curate, and comp	lete. I am aware tha	t there are significa	ant penalties for si	ub-
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PA Form 8700-12 (6-80) REVER:						

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015 (317) 232-8603 (800) 451-6027 www.in.gov/idem

July 1, 2003

Dan McInerny, Esq.
Bose McKinney & Evans
2700 First Indiana Plaza
135 North Pennsylvania Street
Indianapolis, IN 46204

In re: Michigan Meadows Apartments and Michigan Plaza Shopping Center, Indianapolis, Indiana Your File No. 12950-1

Dear Mr. McInerny:

The Indiana Department of Environmental Management ("IDEM") is in receipt of the information submitted on June 11, 2003 ("AIMCO Report"), by you on behalf of Apartment Investment and Management Company. IDEM is currently performing a full technical review of the AIMCO Report. However, I wish to convey some preliminary feedback about the AIMCO Report and the voluntary remediation taking place at the Former Allison Engine Plant 10.

Upon initial review of the AIMCO Report, IDEM does <u>not</u> believe that the information presented therein indicates an imminent health threat requiring immediate action to relocate people or businesses or other immediate abatement action. The AIMCO Report described four locations with vapor contaminant sample readings appreciably elevated above target vapor levels.¹ The most significant of these readings was in the former library branch located in the Michigan Plaza Shopping Center, which, as you have conveyed to me, is now vacant. Two apartments in the Michigan Meadows Apartments also had elevated readings, but these apartments were listed in the AIMCO report as being vacant. Finally, the reading from the Village Pantry, located in the Michigan Plaza Shopping Center, had contaminant levels in excess of residential levels. However, the level found at the Village Pantry is lower than generally accepted worker exposure levels. Based on this worker exposure level, there is no need for immediate action. In sum, the AIMCO Report does not indicate that conditions require immediate action to eliminate exposure to contaminants.

¹ The AIMCO Report does not identify the source for the IDEM target vapor levels used to assess the sampling results. In fact, IDEM has not yet developed final vapor levels for general applicability. In this analysis, IDEM is utilizing site-specific residential numbers developed for another site, except as noted.

Mr. McInerny Page 2 of 2 July 1, 2003

Additionally, IDEM has concerns with the manner in which the data were collected. For example, no outdoor ambient level of contaminants was determined, soil gas sampling was insufficient, and sampling canisters were not placed in ideal locations. In particular, the placement of canisters next to heating vents and at ground level could cause the empirical data to be biased high.

The AIMCO Report does, however, indicate the potential for a vapor intrusion problem at Michigan Meadows Apartments and the Michigan Plaza Shopping Center. IDEM believes that further investigation of these sites is prudent. When additional data has been gathered, it will be possible to further evaluate any potential hazards. As such, IDEM is assigning a project manager to handle the site through IDEM's State Cleanup Program. Because of the continuing potential for vapor intrusion within the Michigan Meadows Apartments and the Michigan Plaza Shopping Center, and because of the concerns IDEM has with the manner of data collection conducted to date, IDEM believes that additional vapor intrusion sampling should be conducted. IDEM would like to extend the opportunity to AIMCO to conduct this sampling. However, IDEM strongly advises that AIMCO first contact IDEM for individualized guidance so as to prevent any potential data validity issues.

With respect to liability for the contamination at the Michigan Meadows Apartments and the Michigan Plaza Shopping Center, IDEM does not believe it is prudent at this time to hold responsible or exonerate any particular party. Furthermore, IDEM will not construe AIMCO's voluntary actions to investigate the potential contamination as evidence of liability, although the data generated thereby may be used by IDEM in an effort to assess liability.

IDEM would like to know AIMCO's intentions as to further sampling as soon as that decision is made. Should AIMCO decide to undertake this sampling, they or their consultant should contact Bill Hayes at (317) 233-1513 for guidance. If you have any other questions about this matter, please call me at (317) 233-1207 or call (800) 451-6027, press 0, and ask for me.

very truly Yours

Thomas W. Baker

Attorney

Office of Legal Counsel

cc: Mr. Bob Lewis, Genuine Parts Company
Mr. Andy Gremos, Keramida Environmental

Mr. Jefferey W. Larmore, Marion County Health Department

IDEM project managers